ORDER NO. VRD0002003C2

Service Manual

Video Cassette Recorder

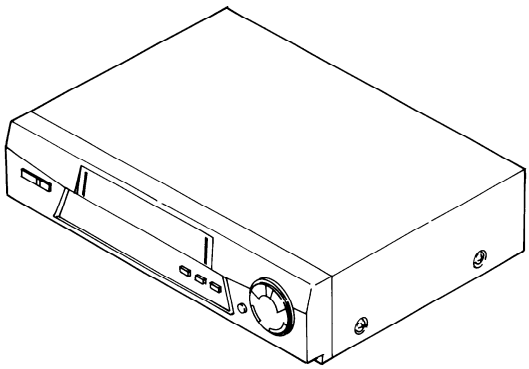
Panasonic VHS

PAL

Hi-Fi HQ

NV-FJ603EL-K / NV-FJ603EP-K / NV-FJ603EPYK / NV-FJ604EG-K / NV-FJ604ECMK / NV-FJ606EG-K / NV-FJ606EGYK / NV-FJ606EC-K / NV-FJ606ECMK / NV-FJ611B-K

Z-MECHANISM



SPECIFICATIONS

SPECIFICATIONS

ITEM	SPECIFICATION		ITEM	SPECIFICATION
POWER	SOURCE : 220 – 240 V, 50 / 60 Hz		VIDEO	INPUT : EURO AV (AV1,AV2) Connector (21pin) 1.0Vp-p, 75Ω terminated VIDEO IN (AV3:FRONT) Connector 1.0 Vp-p, 75 Ω terminated
	CONSUMPTION : 21 watts			OUTPUT: EURO AV (AV1,AV2) Connector (21 pin) 1.0 Vp-p, 75 Ω terminated
RECORDING SYSTEM	2 rotary heads, helical scanning system			
	PAL			
TV TUNER SYSTEM	NV-FJ603EL NV-FJ604EG NV-FJ606EG/EGY NV-FJ610EG/EGY	VHF : CH E2 – CH E12 CH A – CH H2 [ITALY] 75 Ω unbalanced UHF : CH 21 – CH 69 75 Ω unbalanced CATV: CH S01 – CH S41 75 Ω unbalanced	AUDIO	HEAD : 1 Stationary head (Normal Audio) 2 channels (Hi-Fi Sound- Stereo)
				INPUT : EURO AV (AV1,AV2) Connector (21 pin) –6 dBV (500 mV), More than 10 KΩ AUDIO IN (AV3:FRONT)Connector –6 dBV (500 mV), More than 10 KΩ
	NV-FJ603EP/EPY NV-FJ604ECM NV-FJ606EC/ECM NV-FJ610EC/ECM/ECY	VHF: CH E2 – CH E12 75 Ω unbalanced UHF: CH 21– CH 69 75 Ω unbalanced CATV. CH S1 – CH S3 CH M1 – CH U10 CH S21 – CH S41 (8MHz Rester)		OUTPUT :EURO AV (AV1,AV2) Connector (21 pin) –6dBV (500 mV), Less than 1 KΩ AUDIO OUT Connector (Phono type) – 6 dBV (500 mV), Less than 1KΩ
	NV-FJ610B NV-FJ611B	UHF : CH 21 – CH 68 75 Ω unbalanced	TAPE FORMAT	VHS Cassette tape (Tape width 12.7 mm)
	NV-FJ610BL	VHF : CH A – CH J 75 Ω unbalanced UHF: CH 21– CH 69 75 Ω unbalanced CATV: 104 – 470M MHz 75 Ω unbalanced	TAPE SPEED	SP : 23.39 mm/s LP : 11.7 mm/s Record / Playback Time : SP : 4 hours with 240 min. type tape (NV-E240) LP : 8 hours with 240 min. type tape (NV-E240) FF / REW Time : 60 seconds with 180 min. type tape (NV-E180)
			OPERATING CONDITION	Temperature : 5 ℃ – 40 ℃ Humidity : 35 % – 80 %
RF OUT SYSTEM	Except B/BL	UHF : CH 21 - CH 69 71 ± 3 dBμ,75Ω close	DIMENSIONS	430 (W) X 87 (H) X 303 (D) mm
	NV-FJ610B/BL NV-FJ611B	UIIF: CII21 - CII68 71 ± 3 dBμ,75Ω close	WEIGHT	3.9 kg
VIDEO	HEADS : 4 rotary heads 1 pair for recording and playback (L-R heads) 1 pair for trick play (L'-R' heads)		STANDARD ACCESSORIESES	1 pc. Remote Controller 1 pc. AC Mains Lead 1 pc. DIN-RF Cable 1 pc. Ferrite Core (NV-FJ610BL-S ONLY)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. INTRODUCTION

This service manual contains technical information which will allow service personnel to understand and service this model.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

Note 1 :

Adjustment procedures, Disassembly Procedures and Assembly Procedures for Mechanism Chassis are separate volume from this service manual. / Please refer to the service manual for Z-Mechanism Chassis. (Order No. VRD9802005C2)

Note 2 :

The Model No. is indicated on the Schematic Diagram and Circuit Board Diagrams as follows.

Model No.	FJ604EG-K	FJ606EG-K	FJ610EG-S/K	FJ606EGYK	FJ610EGYS/K	FJ610B-S/K	FJ6
Indication Mark	(A)	(A)	(A)	(B)	(B)	(C)	
Model No.	FJ604ECMK	FJ606EC-K	FJ606ECMK	FJ610EC-S/K	FJ610ECMS/K	FJ610ECYS/K	FJ61
Indication Mark	(D)	(D)	(D)	(D)	(D)	(E)	
Model No.	FJ603EL-K	FJ603EP-K	FJ603EPYK				
Indication Mark	(G)	(H)	(J)				

2. GENERAL DESCRIPTIONS

2.1. SERVICE INFORMATION

2.1.1. CHANNEL MEMORY IC INITIALIZATION

When replacing the Memory IC7704 and/or Oscillator X6001, Memory IC7704 has to be initialized due to the setting value changes.

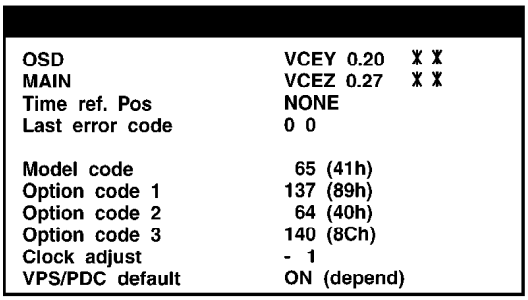
Note:

1. **When replacing the memory IC7704, the OSD microprocessor IC7703 should be replaced together.**
2. **It has to be performed before tuning.**
3. **Meaning of “MEMORY IC INITIALIZATION" is to make dependency in different models and to distinguish between different features.**
4. **It does not need to perform when replacing the System Control IC6001.**

<CHANNEL MEMORY IC INITIALIZATION>

PROCEDURES	FIP Display	Monitor Scre
Press the FF and EJECT keys simultaneously for 3 seconds.		None
Press the FF and EJECT keys simultaneously more twice.		None
Press the EJECT key for 3 seconds.		None
Press the CH UP key twice.		None
Press the POWER key.	(Colon starts flashing)	Service Screen (See Service Screen (San
Press the REC key on the Remote Controller Unit.		Service Screen (See Service Screen (San
Set the Model Code and Option Code by pressing 10 -key or [RIGHT] [LEFT] [UP] [DOWN] keys on the Remote Controller Unit. (See Fig. S2)		Service Screen (See Service Screen (San
To release Service Mode, press POWER key and then press FF or turn the shuttle ring to the FF and press EJECT key simultaneously 6 times until the normal indication on the FIP.		None

Fig. S1 Service Screen (Sample)



Caution :

Since the “Clock adjust” and “VPS/PDC default” are future expansion, do not change the initial settings.
Just in case, if these initial setting values had been changed accidentally, it can be recovered by pressing [UP] [DOWN] keys on

the Remote Controller.

Model No.	Suffix	Model Code	Option Code 1	Option Code 2	Option Code 3
NV-FJ603	EL-K	41	253	64	140
NV-FJ603	EP-K/EPYK	45	253	64	140
NV-FJ604	ECMK	45	141	64	140
NV-FJ604	EG-K	41	141	64	140

(To be continued on next page.)

Model No.	Suffix	Model Code	Option Code 1	Option Code 2	Option Code 3
NV-FJ606	EC-K/ECMK	45	141	64	140
NV-FJ606	EG-K/EGYK	41	141	64	140
NV-FJ610	B-K/B-S	49	161	64	140
NV-FJ610	BL-S	4D	161	64	140
NV-FJ610	EC-S/EC-K/ ECMS/ECMK/ ECYS/ECYK	45	137	64	140
NV-FJ610	EG-S/EG-K/ EGYS/EGYK	41	137	64	140
NV-FJ611	B-K	49	165	64	140

Fig. S2 Model Code & Option Code

2.1.2. CAUTION FOR AUTO TUNING

PROCEDURE

Auto Tuning will start by the following procedure.

1. **Connect the DIN-RF Cable.**
2. **Connect the AC Mains Lead.**
3. **Turn on the VCR. / Auto Tuning will start. / Auto Tuning searches for TV stations from VHF minimum to UHF maximum and memorizes every tuned program position. Other program positions are skipped.**
   Auto Tuning takes five or more minutes to complete its search. Do not touch the VCR during Auto Tuning.
   Auto Tuning will stop halfway, if the VCR is operated or the aerial lead and/or the mains lead are disconnected.
   In case the VCR stopped during Auto Tuning, the VCR have to be reset and restarted. See the following item 2.

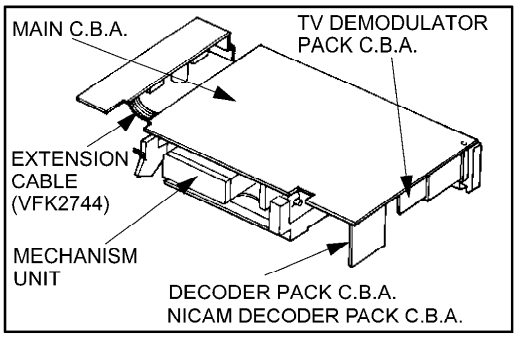
NOTE

1. **If the VCR is turned on with the antenna not connected, all channels are skipped. Therefore, firmly connect the antenna and then turn the VCR off and on again to execute Auto tuning.**
2. **When Auto Tuning is canceled halfway, Auto Tuning is not executed even if the VCR is turned off and then turned on again. / In this case, Auto Tuning have to be restarted by the following procedure.**
   A. Press EJECT and remove the Video cassette.
   B. Keep UP and DOWN on the VCR pressed simultaneously for 3 seconds or more during the VCR on. / The channel displayed on the VCR display disappears for a moment then changes to 2.
   C. Turn off the VCR and then turn it on. Auto Tuning commences.
3. **If you turn the VCR off during Auto Tuning, Auto Tuning will stop halfway.**
   The VCR should be reset and restarted by the item 2 in order to execute Auto Tuning.
4. **If the VCR starts playback during Auto Tuning, Auto Tuning will stop halfway.**
   The VCR should be reset and restarted by the item 2 in order to execute Auto Tuning.
5. **To cancel Auto Tuning Mid-operation, press POWER during Auto Tuning (The VCR is turned off).**
6. **When the VCR is moved to the other area or country, TV broadcasts should be stored again.**

2.1.3. CHECKING OF MAIN C.B.A.

When servicing the MAIN C.B.A., take out the MAIN C.B.A. and mechanism from the frame and turn over.
And then connect the Extension Cable (VFK2744) between the POWER C.B.A. connector (P1103) and the MAIN C.B.A. connector (P1001) as shown in Fig. S3.

Fig. S3



2.1.4. REMOVAL OF CASSETTE TAPE

There are 2 ways to remove a cassette tape.

1. Removal of compulsory loading.

A. Press FF and EJECT buttons simultaneously and set the Service Mode 7.

B. Press STOP button in order to unload the mechanism. (Pay an attention of tape slack)

Service Mode Indication:

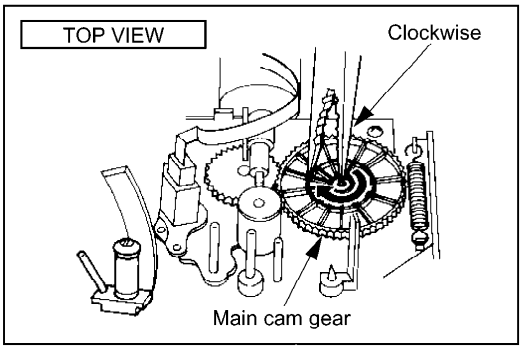
7 ** ** (STOP) → 7 00 ** (EJECT)

2. Removal of manual operation of Main cam gear.

A. Disconnect the AC power cord and remove Top Panel.

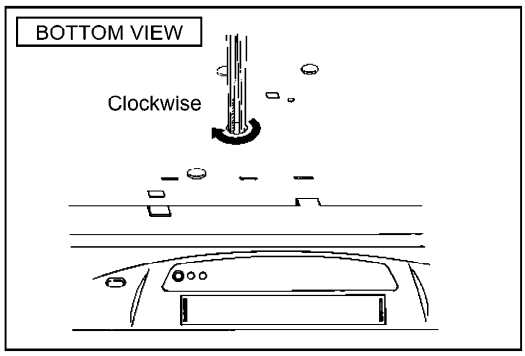
B. Rotate Main Cam Gear to the clockwise and unload the mechanism (Tape is remaining) (Fig. S4).

Fig. S4



C. Rotate the Pole of Capstan motor to the clockwise the from the bottom in order to remove the tape slag.

Fig. S5



D. Rotate Main Cam Gear to the clockwise in order to eject the cassette tape.

2.1.5. CYLINDER UNIT REPLACEMENT

1. CYLINDER UNIT REPLACEMENT

A. Remove the Mechanism unit from MAIN C.B.A./Chassis by referring “SECTION 2.Disassembly Procedure”.

B. Remove the 3 screws (A) of the CYLINDER UNIT with a screw driver.

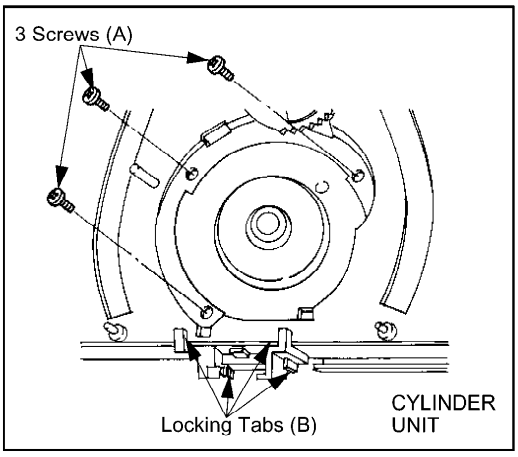
C. Unlock the 4 locking tabs (B) and disconnect the Cylinder flexible card from the FPC Holder.

D. Remove the CYLINDER UNIT.

CAUTION

Handle the Cylinder flexible card with care. When it damaged, you should replace whole Cylinder unit.

Fig. S6



2. UPPER CYLINDER DISASSEMBLY

A. Remove 2 screws (A).

B. Remove the Cylinder Stator Unit.

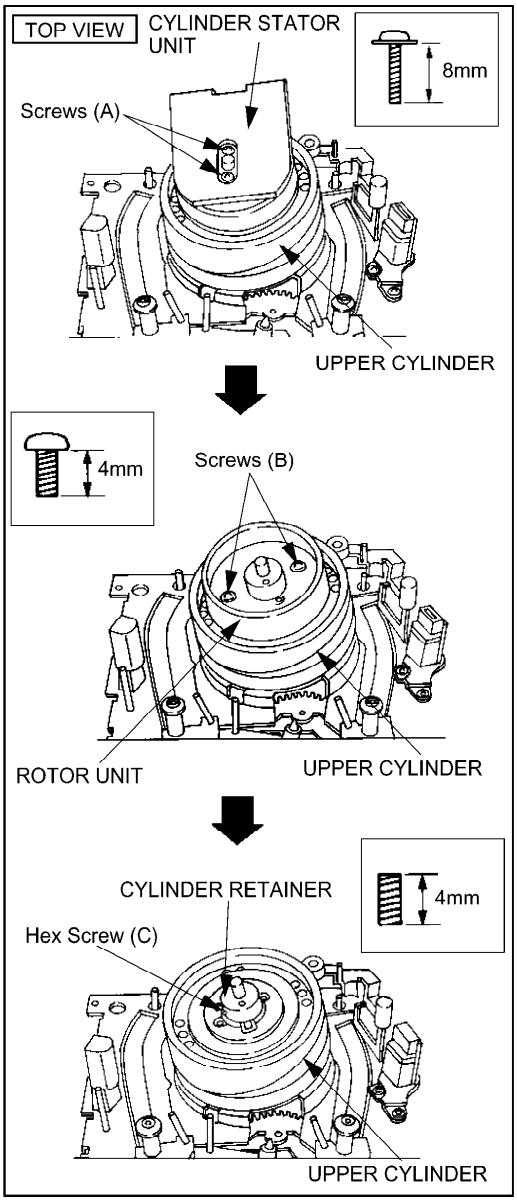
C. Remove 2 screws (B).

D. Remove the Cylinder Rotor Unit.

E. Loose Hex screw (C) (1.5 mm) and remove the CYLINDER RETAINER.

F. Remove the Upper Cylinder.

Fig. S7



3. UPPER CYLINDER ASSEMBLY

When reassembling, perform the steps in the reverse order.

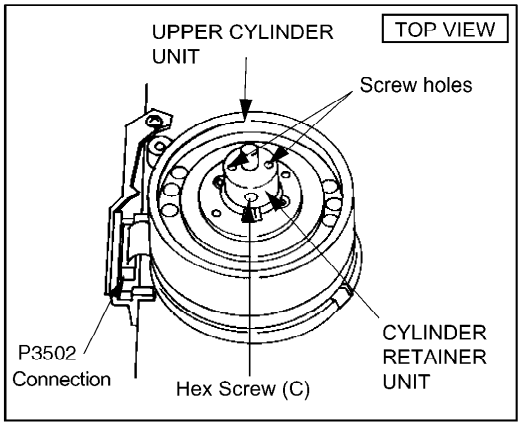
Notes :

A. Install the Cylinder Retainer so that the 2 holes on top of the Cylinder Retainer are at right angles with the P3502 Connection.

B. Tighten the Hex screw (C) (1.5 mm) while pressing down on top

of the Cylinder Retainer.

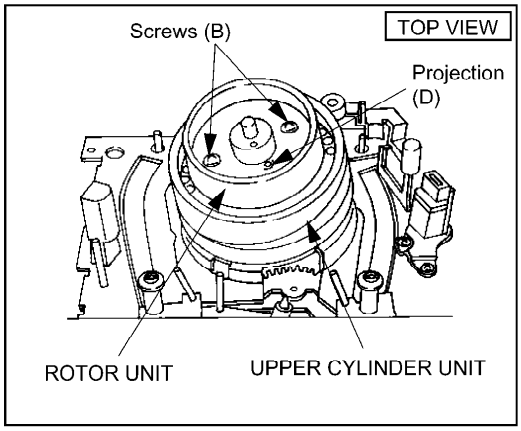
Fig. S8



C. Install the Cylinder Rotor Unit so that the inner hole of the Cylinder Rotor Unit fits to the small projection (D) on top of the Upper Cylinder.

D. Tighten 2 screws (B).

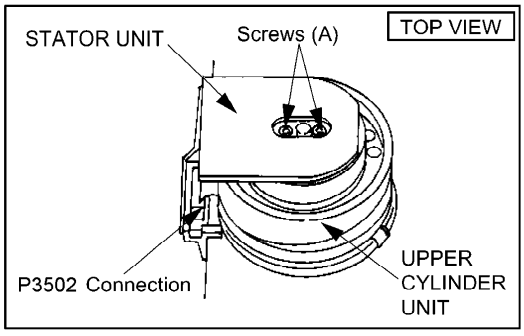
Fig. S9



E. Install the Cylinder Stator Unit.

F. Tighten 2 screws (A).

Fig. S10



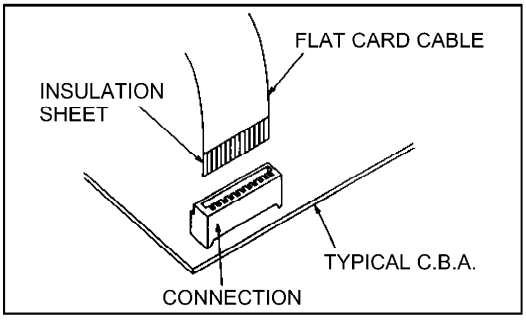
G. Confirm the PG SHIFTER ADJUSTMENT with the alignment

tape (PAL : VFJ8125H3F) and adjust it if necessary.

2.1.6. FLAT CARD CABLE INSTALLATION

When installing the Flat Card Cable on the connector, install the Flat Card Cable with the cable contacts facing the connector contacts.

Fig. S11



2.2. SELF-TEST & SERVICE INFORMATION DISPLAY

Refer to the Service Manual for Z Mechanism Chassis. (Order No.:VRD9802005C2)

2.3. OPERATING INSTRUCTIONS (NV-FJ604/606/610 Series)

2.4. INTRODUCTION OF VIDEO HEAD CLEANING CASSETTE (POLISHING TYPE)

1. We are pleased to introduce Panasonic Video Head Cleaning Cassette, VFK0923FT [for service purposes] and VFK0923FSE [for end users] for all VHS/SVHS VCP and VCR.
2. These cleaning cassettes are exclusive removing the hard and sticky clogging on video heads.
3. These improve the efficiency of video head cleaning service and shortening cleaning time for end users.

	VFK0923FT (For Service usage)	VFK0923FSE (For end users
Type of Cassette	Full VHS Cassette	Full VHS Cassette
Cleaning Time	10 Seconds/Time	10 Seconds/Time
Tape Length	20 m	3.34 m
Usability in a Path	180 Times	30 Times

Note:

The tape material itself is the same in both types.

[VFK0923FT]

[VFK0923FSE]

2.5. Caution for AC Mains Lead (NV-FJ610B/BL, NV-FJ611B)

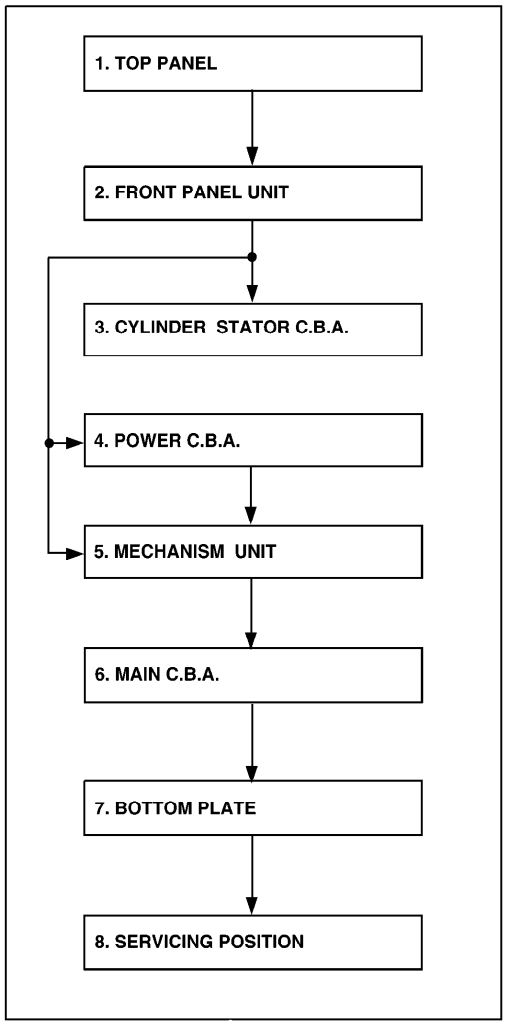
3. ADJUSTMENT PROCEDURES

3.1. DISASSEMBLY METHOD

3.1.1. DISASSEMBLY FLOW CHART

This flow chart indicates disassembly steps of the cabinet parts and the circuit boards in order to find the necessary items for servicing.
When reassembling, perform the steps in the reverse order.

Fig. D1

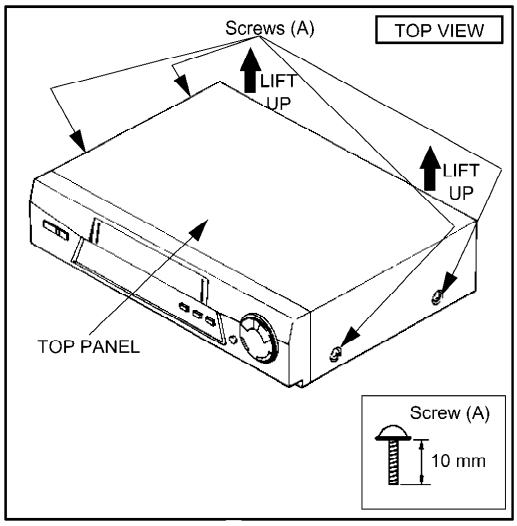


3.1.2. DETAIL OF DISASSEMBLY METHOD

1. REMOVAL OF THE TOP PANEL

Remove	**4 Screws (A)**

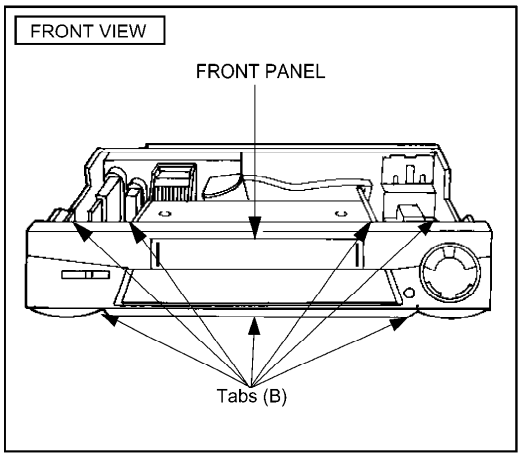
Fig. D2



2. REMOVAL OF THE FRONT PANEL UNIT

Unlock	**7 Tabs (B)**

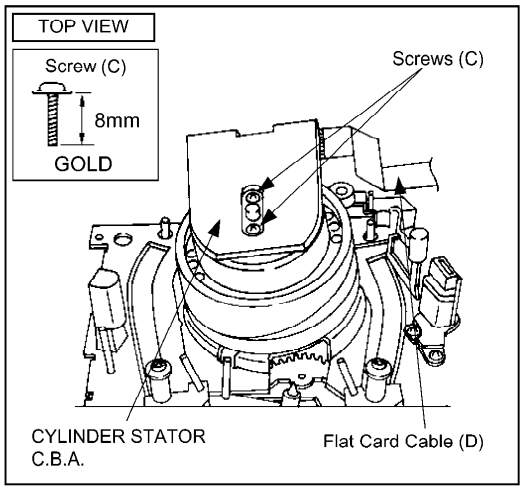
Fig. D3



3. REMOVAL OF THE CYLINDER STATOR C.B.A.

Remove	**2 Screws (C)**
Disconnect	**Flat Card Cable (D)**

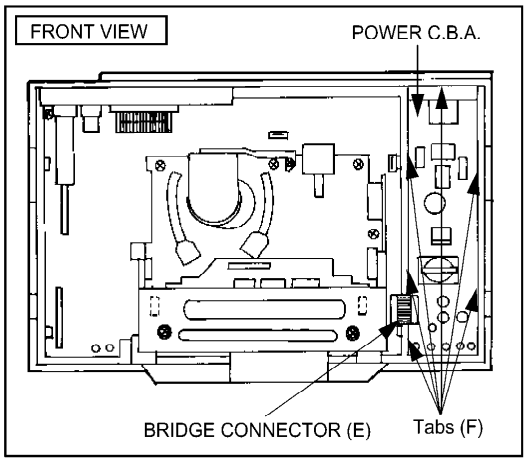
Fig. D4



4. REMOVAL OF THE POWER C.B.A.

Disconnect	**Bridge Connector (E)**
Unlock	**6 Tabs (F)**

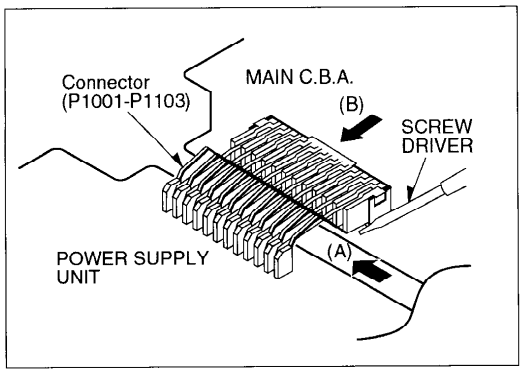
Fig. D5



COUTIONS:

Please pay an attention to disconnect the connector (P1001-P1103) which connected between Main C.B.A. and Power supply unit as shown below.

Fig. D6



As above drawing, disconnect the connector by SCREW DRIVER from the direction (A). / Do not disconnect from direction (B) because it is possibility to damage the parts located by the connector. /

5. REMOVAL OF THE MECHANISM UNIT

Remove	**3 Screws (G)**
Remove	**2 Screws (H)**
Remove	**Screw (I)**

NOTE :

Keep pressing 2 stoppers on the Cassette Holder Plate and press the Cassette Holder Plate to the rear. /

[CAUTION -Mounting the Mechanism unit to Main C.B.A.]

A. When assembling, insert the Cylinder Flexible card to the Connector (P3502) carefully, to avoid any damage.

B. Be sure to tighten the Screw (I), otherwise, S/N ration may become worse.

Fig. D7-1

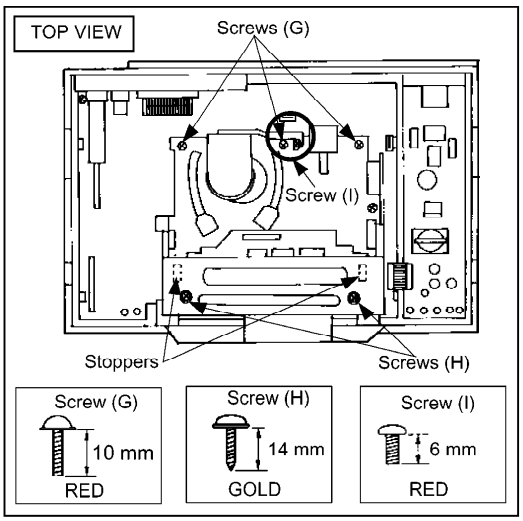
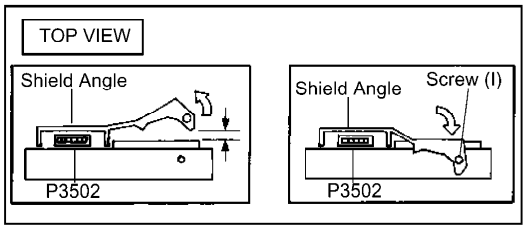


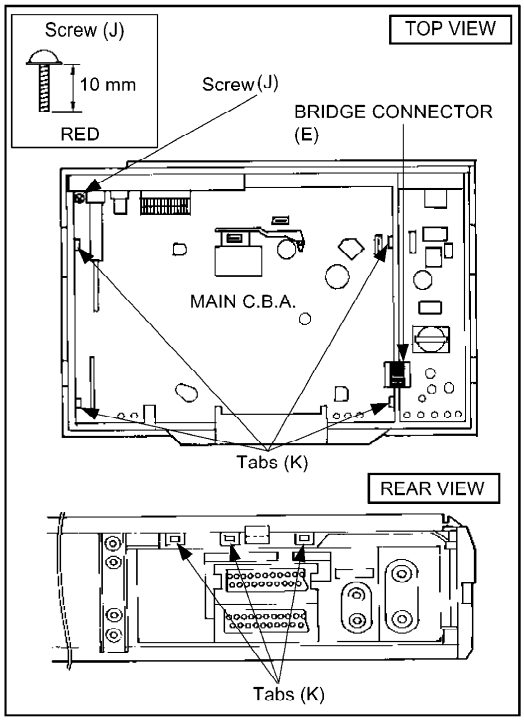
Fig. D7-2



6. REMOVAL OF THE MAIN C.B.A.

Disconnect	**Bridge Connector (E)**
Remove	**Screw (J)**
Unlock	**7 Tabs (K)**

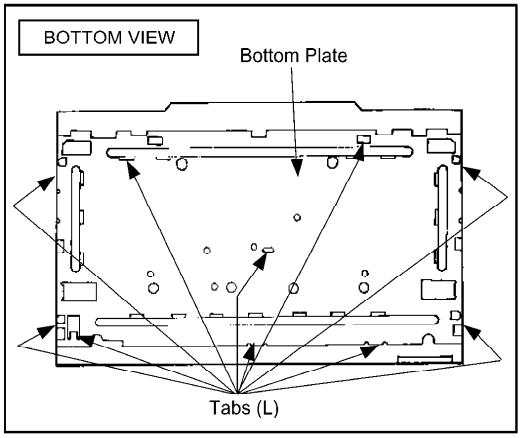
Fig. D8



7. REMOVAL OF THE BOTTOM PLATE

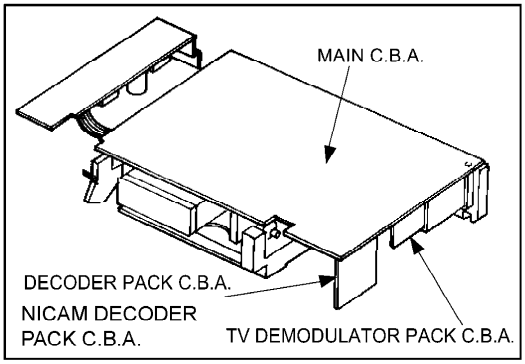
Unlock	**10 Tabs (L)**

Fig. D9



8. SERVICING POSITION

Fig. D10



3.2. MECHANICAL ADJUSTMENT PROCEDURES

Refer to the Service Manual for Z-Mechanism Chassis. / (Order No. VRD9802005C2)

3.3. ELECTRICAL ADJUSTMENT PROCEDURES

3.3.1. TEST EQUIPMENT

The following equipments are required for Electrical Adjustments.

1. Dual-Trace Oscilloscope

- **Voltage Range: 0.005-5V/div**
- **Frequency Range: DC-35MHz**
- **Probes: 10:1 / 1:1**

2. Frequency Counter

- **Frequency Range: 0-10MHz**
- **Probes: 1:1**

3. Universal Counter

4. Digital Volt Meter (D.V.M.)

5. Video Sweep Generator

6. Sinewave Generator

7. Video Pattern Generator

8. Monitor TV

9. DC Power Supply

10. VHS Blank Tape

11. VHS Alignment Tape

- Parts No.: VFJ8125H3F(PAL)

3.3.2. VCR SETTING

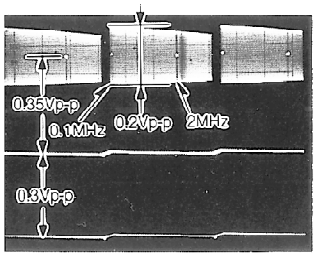
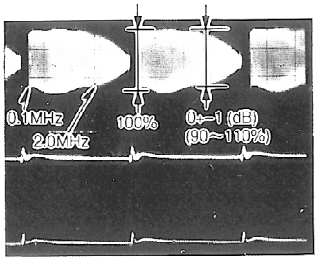
When no indication in the procedure, set each selector as follows.

1. TAPE SPEED: SP

2. CHANNEL: AV1/AV2/AV3
   (Set to signal input terminal number)

3.3.3. ADJUSTMENTS

ITEM	TP	ADJ.	MODE	INPUT	TAPE	M. EQ.	SPEC.	REMAR
PG SHIFTER ADJUSTMENT	---	---	PLABACK	---	ALIGNMENT TAPE (PAL)	---	---	Refer to the pro of PG SHIFTER ADJUSTMENT in Fig.E3.
VIDEO FREQUENCY RESPONSE ADJUSTMENT	VIDEO OUT	---	SP/LP / PLAYBACK (SELF-REC)	VIDEO SWEEP (See Fig.E1)	BLANK TAPE	OSCILLOSCOPE/ VIDEO SWEEP GENERATOR	SP: 0+-1 (dB) (90~110%) LP: 0+-1 (dB) (90~110%) (See Fig. E2)	Refer to the pro of VIDEO FREQ RESPONSE ADJUSTMENT in Fig. E5.
AI FUNCTION ADJUSTMENT	---	---	PLAYBACK (SELF-REC)	PAL COLOUR BAR	BLANK TAPE	---	---	Refer to the pro of AI FUNCTIOI ADJUSTMENT in Fig.E4.

Fig.E1	Fig.E2
	
CONDITION : / BURST SIGNAL OFF / 75 ohm TERMINATED	

3.3.4. PG SHIFTER ADJUSTMENT / (AUTOMATIC)

PROCEDURES	FIP Display
Press the FF and EJECT buttons simultaneously for 3 seconds.	
Press the FF and EJECT buttons simultaneously twice.	
Press the EJECT key for 3 seconds.	
Press the CH UP key once.	
Insert the Alignment Tape. (PAL: VFJ81215H3F)	
This adjustment is automatically started. (During the adjustment, the picture will be appeared on the monitor.)	
When this Adjustment is terminated, the following operation will be activated. **-Adjustment completed: The tape will be ejected.** **-Adjustment incompleted: "F2*" is indicated on the FIP.Check the Servo/ System Control circuit and Cylinder Unit.**	
To release Service Mode, press EJECT key and key Simultaneously 6 times until the FIP becomes normal indication.	

Fig. E3

3.3.5. AI FUNCTION ADJUSTMENT / (AUTOMATIC)

PROCEDURES	FIP Display
Press the FF and EJECT buttons simultaneously for 3 seconds.	
Press the FF and EJECT buttons simultaneously twice.	
Press the EJECT key for 3 seconds.	
Press the CH UP key 3 times.	
Insert the Blank Tape.	
This adjustment is automatically started.	
When this Adjustment is terminated, the following operation will be activated. **-Adjustment completed: The VCR goes to STOP Mode.**	
To release Service Mode, press EJECT key and key Simultaneously 6 times until the FIP becomes normal indication.	

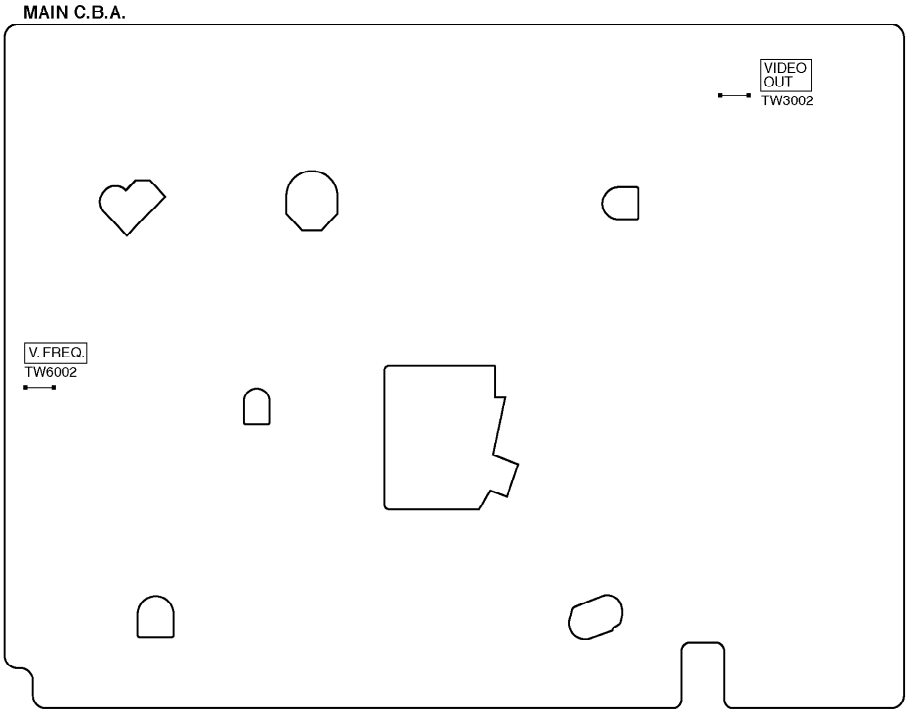
Fig. E4

3.3.6. VIDEO FREQUENCY RESPONSE ADJUSTMENT

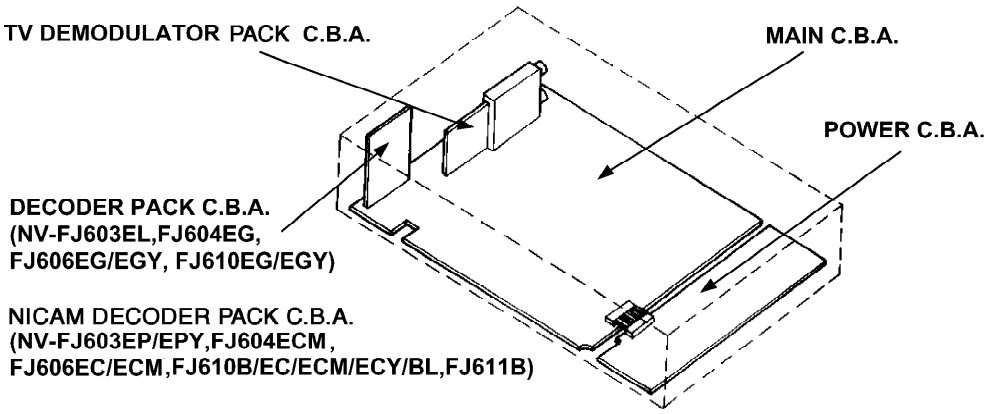
PROCEDURES	FIP Display
Set the Video Sweep signal (See Fig.E1)	
Make the self-recording tape.	
Press the FF and EJECT Buttons simultaneously for 3 seconds.	
Press the FF and EJECT Buttons simultaneously twice.	
Press the EJECT key for 3 seconds.	
Press the CH UP and/or CH DOWN key until "11" is displayed on the FIP.	
Insert the Self-recorded tape and playback it.	
Connect the Oscilloscope to: / *CH1... Video Out.(TW3002). *CH2... V.FREQ. (TW6002).	
Press the "4" key on the Remote Controller. / (Confirm that TW6002 becomes high (5V).)	
Adjust the Frequency response by pressing the "2" (increase) and/or "8"(decrease) key on the Remote Controller.	
Store the Adjusted value by pressing "5" key on the Remote Controller.	
Release the Service mode by pressing the EJECT and FF keys simultaneously 6 times until the FIP becomes normal indication.	

Fig. E5

3.3.7. LOCATION OF TEST POINTS & CONTROLS



3.3.8. CIRCUIT BOARD LAYOUT



4. ABBREVIATIONS

443NT [L]	4.43 NTSC Ⓛ	BIL. [H]	BILINGUAL Ⓗ
A. COMP	AUDIO COMPONENT SIGNAL	BIL/M1[L]	BILINGUAL Ⓛ
A. COMPO	AUDIO COMPONENT SIGNAL	BS CLOCK	BS CLOCK
A. D.P [L]	AUDIO DUBBING PAUSE Ⓛ	BS DATA	BS DATA
A. D/L [L]	AUDIO DUBBING PAUSE Ⓛ	BS LCH IN	BS L CHANNEL INPUT
A. DEF [S]	AUDIO DEFEAT	BS MIX [H]	BS MIX Ⓗ
A.DEF [S] [L]	AUDIO DEFEAT	BS MON [H]	BS MONITOR Ⓗ
A. DUB P [L]	AUDIO DUBBING PAUSE Ⓛ	BS MONI [H]	BS MONITOR Ⓗ
A. DUB [H]	AUDIO DUBBING Ⓗ	BS RCH IN	BS R CHANNEL INPUT
A. ERASE	AUDIO ERASE	BS VIDEO	BS VIDEO SIGNAL
A. H. SW	AUDIO HEAD SWITCHING PULSE	BS VIDEO/BS1	BS VIDEO SIGNAL
A. HEAD [R]	AUDIO HEAD (REC)	BS [H]	BS Ⓗ
A. HEAD [W]	AUDIO HEAD (PLAY)	BS. LEVEL	BS LEVEL
A. IN [L]	AUDIO INPUT (L)	BS. M [H]	BS MONITOR Ⓗ
A. IN [R]	AUDIO INPUT (R)	BS/VTR [H]	BS/VTR Ⓗ
A. MUT [H]	AUDIO MUTE Ⓗ	BUS CLK	BUS CLOCK
A. MUTE [H]	AUDIO MUTE Ⓗ	BUS LSN	BUS LISTEN
A. OUT [L]	AUDIO OUTPUT (L)	BUS TLK	BUS TALK
A. OUT [R]	AUDIO OUTPUT (R)	BUZZER	BUZZER
A. RF OUT	AUDIO RF SIGNAL OUTPUT	CAP EC	CAPSTAN TORQUE CONTROL
A/VS/S. DATA	AV SW/SERIAL DATA	CAP M GND	CAPSTAN MOTOR GND
AC ONLINE	AC ONLINE	CAP. ET	CAPSTAN TORQUE CONTROL
AC. O/EE. H	AC ONLINE/EE Ⓗ	CAP. FG1	CAPSTAN FG1 PULSE
AFC S C	AFC S CURVE	CAP. FG2	CAPSTAN FG2 PULSE
AFC [S]	AFC S CURVE	CAS. SW	CASSETTE SW
AFC. DEF	AFC DEFEAT	CCN	PLAYBACK CONTROL SIGNAL (–)
ARFC OUT	AUDIO RF SIGNAL OUTPUT	CCP	PLAYBACK CONTROL SIGNAL (+)
ART. V	ARTIFICIAL VERTICAL SYNC SIGNAL	CHM	CONTROL SIGNAL (+)
ART. V. MM	ARTIFICIAL VERTICAL SYNC SIGNAL MONO MULTI	CHP	CONTROL SIGNAL (–)
		CINEM [L]	CINEMA Ⓛ
ART. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL Ⓗ / NORMAL	CINEMA [L]	CINEMA Ⓛ
		CINEMA/MIX	CINEMA/MIX
AT. V/H/N	ARTIFICIAL VERTICAL SYNC SIGNAL	CKL	RATCH LOCK
ATSW/TEST/NOR/SE	TEST/NORMAL/SERVICE	CKS	SHIFT LOCK
AUDIO IN [L]	AUDIO INPUT (L)	CL	CLOCK
AUDIO IN [R]	AUDIO INPUT (R)	CLK	CLOCK
AUDIO OUT [L]	AUDIO OUTPUT (L)	CLK (C.G)	CLOCK
AUDIO OUT [R]	AUDIO OUTPUT (R)	CLOCK. IN	CLOCK INPUT
AUDIO SELECT [H]	AUDIO SELECT Ⓗ	CLP	CLAMP
AUDIO. L	AUDIO (L)	COL/B/W/NOR	COLOUR/BLACK & WHITE/NORMAL
AUDIO. R	AUDIO (R)	COLOR [H]	COLOUR Ⓗ
AV CNT	AV CONTROL	CONV	CONVERTOR
AV CTL	AV CONTROL	CS	CHIP SELECT
AV CTL/S. CLK	AV CONTROL/SERIAL CLOCK	CTL GND	CONTROL GND
AV. C.M.	AV CONTROL MODE	CTL HEAD [+]	CONTROL HEAD (+)
AVCNT/METER. R	AV CONTROL/LEVEL METER(R)	CTL HEAD [–]	CONTROL HEAD (–)
AVSW/METER. L	AV SW/LEVEL METER (L)	CTL[+]	CONTROL HEAD (+)
B MODE. H	B MODE Ⓗ	CTL[–]	CONTROL HEAD (–)
B.G.P	BURST GATE PULSE	CUE BIAS	CUE BIAS
BACKUP 5V	BACK UP 5V	CURRENT LIM	CURRENT LIMITER
BAND. U.E.	BAND U	CYL ET	CYLINDER TORQUE CONTROL
BANDVL. D	BAND VL	CYL GND	CYLINDER GND
BI/MI [L]	BILINGUAL/MIX Ⓛ	D.F.M. REC [H]	DELAYED FM RECORDING Ⓗ
BIL	BILINGUAL	D. FM REC [L]	DELAYED FM RECORDING Ⓛ
BIL [L]	BILINGUAL Ⓗ	D. GND	DIGITAL GND

D. REC [H]	DELAYED RECORDING Ⓗ	H.SYNC	HORIZONTAL SYNC
D4/S. LED	D4/STILL LED	H. AMP. SW	HEAD AMP SW PULSE
D4/STILLED	D4/STILL LED	H. P <R>	HEAD PHONE (R)
DAC [CLK]	TUNER DAC (CLOCK)	H. P <L>	HEAD PHONE (L)
DAC/FSCS	TUNER DAC/FS CHIP SELECT	H. P GND	HEAD PHONE GND
DAREC [H]	DELAYED AUDIO RECORDING Ⓗ	H. P OUT [L]	HEAD PHONE OUTPUT (L)
DATA	DATA	H. P OUT [R]	HEAD PHONE OUTPUT (R)
DECODER [L]	DECODER (L)	H. SW	HEAD SW PULSE
DECODER [R]	DECODER (R)	HEAD PHONE [L]	HEAD PHONE (L)
DEW	DEW	HEAD PHONE [R]	HEAD PHONE (R)
DEW SNS	DEW SENSOR	HEAD SW	HEAD SW
DFMRE [H]	DELAYED FM AUDIO RECORDING Ⓗ	HEATER [+]	HEATER (+)
E. REC 5V	EXCEPT RECORDING 5V	HEATER [–]	HEATER (–)
EC	ERROR TORQUE CONTROL	HSS	HORIZONTAL SYNC SIGNAL
ECR	ERROR TORQUE CONTROL	HTR [+]	HEATER (+)
	REFERENCE VOLTAGE	HTR [–]	HEATER (–)
EDT TRIG [L]	EDIT TRIGGER Ⓛ	I RFE	REFERENCE CURRENT
EDIT [H]	EDIT Ⓗ	ICL	CONTROL AGC CIRCUIT
EE [H]	EE Ⓗ	IF	INTERMEDIATE FREQUENCY
EE [H]/INS [M]	EE Ⓗ/INSERT Ⓜ	IN SELA 1	INPUT SELECT A1 POSITION
EE. VV. TR	EE/VV/TRICK PLAY	IN SELA 2	INPUT SELECT A2 POSITION
EJECT. PO	EJECT POSITION	IN SELA 3	INPUT SELECT A3 POSITION
EJECT/VDET	EJECT/REVERSE SLOW LOCK	INS L/R [L]	INSERT Lch/Rch Ⓛ
ENV. SEL	ENVELOPE SELECT	INS. [H]	INSERT Ⓗ
ENVE. OUT	ENVELOPE OUTPUT	INSEL A1	INPUT SELECT A1 POSITION
ENVE. SEL	ENVELOPE SELECT	INSEL A2	INPUT SELECT A2 POSITION
ENV SELECT	ENVELOPE SELECT	INSERT	INSERT
EP [H]	LP Ⓗ	INSERT [H]	INSERT Ⓗ
EP/LP [H]	LP Ⓗ	IO CS	INPUT/OUTPUT CHIP SELECT
EP/ LP/SP	LP/SP	JOG1	JOG1
EP/SS [H]	LP/SLOW/STILL/STOP Ⓗ	JOG S3 LED/FOWRD	JOG LED/FORWARD LED
EPROMCS	EPROM CHIP SELECT	JOG/F. LED	JOG LED/FORWARD LED
EX. REC 5V	EXCEPT RECORDING 5V	JSB [H]	JSB Ⓗ
FF/REW [L]	FAST FORWARD/REWIND Ⓛ	JST. CLCK	JUST CLOCK
FG1 IN	FG1 PULSE INPUT	JST. CLK	JUST CLOCK
FG2 IN	FG2 PULSE INPUT	JST. CLOCK	JUST CLOCK
FILTER ADJ.	FILTER ADJUSTMENT	L. OUT	Lch OUTPUT
FLY ERASE [H]	FLYING ERASE HEAD ON Ⓗ	L. CH [H]	Lch Ⓗ
FLY ON [H]	FLYING ERASE HEAD ON Ⓗ	L. CH [L]	Lch Ⓛ
FLY. E [H]	FLYING ERASE HEAD ON Ⓗ	LED (MAIN)	LED (MAIN)
FM MUT [H]	FM AUDIO MUTE Ⓗ	LED (STEREO)	LED (STEREO)
FM MUTE [H]	FM AUDIO MUTE Ⓗ	LED (SUB)	LED (SUB)
FM OUT [L]	FM OUTPUT (L)	LED CKL	LED SERIAL CLOCK
FM OUT [R]	FM OUTPUT (R)	LED CKS	LED SERIAL CLOCK
FM PACK OUT [L]	FM PACK OUTPUT (L)	LED DATA	LED SERIAL DATA
FM PACK OUT [R]	FM PACK OUTPUT (R)	LINE IN 1 [L]	LINE INPUT 1 (L)
FM/BS SEL [L]	FM/BS SELECT (L)	LINE IN 1 [R]	LINE INPUT 1 (R)
FM/BS SEL [R]	FM/BS SELECT (R)	LINE IN 2 [L]	LINE INPUT 2 (L)
FS. CLK	FS CLOCK	LINE IN 2 [R]	LINE INPUT 2 (R)
FUL. E [H]	FULL ERASE HEAD ON Ⓗ	LINE IN V	LINE INPUT VIDEO
FULL. E [H]	FULL ERASE HEAD ON Ⓗ	LINE IN [L]	LINE INPUT (L)
FULL. E. 12V	FULL ERASE 12V	LINE IN [R]	LINE INPUT (R)
GND [A]	GND (ANALOGUE)	LINE OUT [L]	LINE OUTPUT (L)
GND [TU]	GND (TUNER)	LINE OUT [R]	LINE OUTPUT (R)
GND/N. SW. 12V	GND/NON SW 12V	LP [H]	LP Ⓗ

LPTRI [L]	LP TRICK PLAY Ⓛ	P. OFF [L]	POWER OFF Ⓛ
Lch/A. DUB	Lch/AUDIO DUBBING	PAL [H]	PAL Ⓗ
M GND	MOTOR GND	PAL [L]/NTSC [H]	PAL Ⓛ/NTSC Ⓗ
M REG	MOTOR REGULATOR	PB ADJ. OUT	PLAYBACK ADJUST OUTPUT
MAIN OUT	MAIN OUTPUT	PB OUT	PLAYBACK OUTPUT
MAIN [L]	MAIN Ⓛ	PB. H	PLAYBACK Ⓗ
MAIN/MONO	MAIN/MONAURAL	PFG	PG/FG
MAX IN	MAXIMUM INPUT	PHOTSN 1B	PHOTO SENSOR 1B
MES [H]	MESECAM Ⓗ	PICT. CNT	PICTURE CONTROL
MESE [H]	MESECAM Ⓗ	PLAY LED/RVS LED	PLAY LED/REVERSE LED
MESE [L]	MESECAM Ⓗ	PLAY. PO	PLAY POSITION
METER 5V	LEVEL METER 5V	PLAY/R.LED	PLAY LED/REVERSE LED
METER [L]	LEVEL METER (L)	PLY/DEW	PLAY/DEW Ⓗ
METER [R]	LEVEL METER (R)	POWER OFF [L]	POWER OFF Ⓛ
METER. L/AVS	LEVEL METER (L)	PREROLL [H]	PREROLL Ⓗ
METER. R/AVC	LEVEL METER (R)	PWRFAIL	POWER FAILURE DETECT
MI/BI [L]	MIX Ⓗ /BILINGUAL	R. CH [H]	Rch Ⓗ
MIC GND	MIC GND	R. CH [L]	Rch Ⓛ
MIC IN	MIC INPUT	R. ST	RESET
MIC IN [L]	MIC INPUT (L)	R/S/F	REVERSE Ⓗ/STOP Ⓜ/FORWARD Ⓛ
MIC IN [R]	MIC INPUT (R)	RCH [H]	Rch Ⓗ
MIC [H]	MIC Ⓗ	REC 12V	RECORDING 12V
MIX [H]	MIX Ⓗ	REC CHROMA	RECORDING CHROMINANCE SIGNAL
MIX [H]/CINEMA [L]	MIX Ⓗ/CINEMA SOUND Ⓛ	REC H	RECORDING Ⓗ
MIX/ CINE	MIX Ⓗ/CINEMA SOUND Ⓛ	REC IN	RECORDING INPUT
MIX/CINEMA [L]	MIX Ⓗ/CINEMA SOUND Ⓛ	REC OUT [L]	RECORDING OUTPUT Ⓛ
MN. H/M. L	MONAURAL Ⓗ/MAIN Ⓛ	REC START	RECORDING START
MN. H/MAI. L	MONAURAL Ⓗ/MAIN Ⓛ	REC VR [C]	RECORDING VOLUME (COMMON)
MN2/MES. L	MONAURAL 2/MESECAM Ⓛ	REC VR [L]	RECORDING VOLUME (L)
MODE SEL	AUDIO MODE SELECT	REC VR [R]	RECORDING VOLUME (R)
MODE SW	AUDIO MODE SW	REC Y	RECORDING LUMINANCE SIGNAL
MODE. S. IN	AUDIO MODE SELECT INPUT	REC [H]	RECORDING Ⓗ
MODE. S. OUT	AUDIO MODE SELECT OUTPUT	REC. C	RECORDING CHROMINANCE SIGNAL
MONO [H]	MONAURAL Ⓗ	REC. Y	RECORDING LUMINANCE SIGNAL
MONO [H]/MAIN [L]	MONAURAL Ⓗ/MAIN Ⓛ	REC/EE CTL	RECORDING/EE CONTROL
MONO2 [L]	MONAURAL 2 Ⓛ	REEL-T	REEL PULSE(TAKE-UP)
MONO2/MESE[FM(L)]	MONAURAL 2/MESECAM (FM Ⓛ)	REEL-S	REEL PULSE (SUPPLY)
MOTOR GND	MOTOR GND	REGULATOR FILTER	REGULATOR FILTER
MUTE	MUTE	RESET	RESET
N. A. REC [L]	NORMAL AUDIO RECORDING Ⓛ	REV M F/R	REVIEW MOTOR FORWARD/REVERSE
N. SW 12V	NON SW 12V		
N. SW. 5. DET	NON SW 5V DETECT	REV M V1	REVIEW MOTOR V1
NICAM	NICAM	REV M V2	REVIEW MOTOR V2
NICAM [L]	NICAM Ⓛ	REV MOTOR F/R	REVIEW MOTOR FORWARD/REVERSE
NOL [H]	PAL Ⓗ/4.43 NTSC Ⓜ/3.58 NTSC Ⓛ		
NOR/SOFT [H]	NORMAL/SOFT TAPE PLAY Ⓗ	REV MOTOR V1	REVIEW MOTOR V1
NORMAL [H]	NORMAL Ⓗ	REV MOTOR V2	REVIEW MOTOR V2
NR BIAS	NR BIAS	REV MOTOR [+]	REVIEW MOTOR (+)
NTSC [L]	NTSC Ⓛ	REV MOTOR [-]	REVIEW MOTOR (-)
OCH	CONTROL AGC CIRCUIT	REV. M. GND	REVIEW MOTOR GND
OUT	OUTPUT	RF.CHROMA	RF CHROMINANCE SIGNAL
P-OFF [H]	POWER OFF Ⓗ	RF OUT	RF OUTPUT
P-OFF [L]	POWER OFF Ⓛ	RF Y	RF LUMINANCE SIGNAL
P. FAIL	POWER FAILURE DETECT	RF. Y. IN	RF LUMINANCE SIGNAL INPUT
P. OFF [H]	POWER OFF Ⓗ	RF. Y. OUT	RF LUMINANCE SIGNAL OUTPUT

ROTAR. SW	ROTARY SW	T. BUSCLK	TIMER BUS CLOCK
ROTARY	ROTARY SW	T. BUSLSN	TIMER BUS LISTEN
RST	RESET	T. BUSTLK	TIMER BUS TALK
RST [L]	RESET Ⓛ	T. END [L]	TAPE END Ⓛ
Rch/INST	Rch/INSERT	T. PHOTO	TAKE-UP PHOTO TRANSISTOR
S IN	SERIAL DATA INPUT	TAPE END [L]	TAPE END Ⓛ
S OUT	SERIAL DATA OUTPUT	TAPE END [L]/CAM	TAPE END Ⓛ/CAMERA PAUSE
S-PHOTO	SUPPLY PHOTO TRANSISTOR	TEST	TEST MODE
S-RL. PLS	SUPPLY REEL PULSE	TPZ	TRAPEZOIDAL WAVE CIRCUIT
S. CLK	SERIAL CLOCK	TRIC [L]	TRICK PLAY Ⓛ
S. CLK/AV	SERIAL CLOCK/AV	TRICK [L]	TRICK PLAY Ⓛ
S. DATA	SERIAL DATA	TRK. ENV	AUDIO TRACKING ENVELOPE DETECT
S. DATA/A	SERIAL DATA / AUDIO	TU. AUDIO	TUNER AUDIO
S. PHOTO	SUPPLY PHOTO TRANSISTOR	TU. GND	TUNER GND
S.TAB [L]	SAFETY TAB SW ON Ⓛ	TU. V. IN	TUNER VIDEO SIGNAL INPUT
S/P/N	SECAM/PAL/NTSC	TU. VIDEO	TUNER VIDEO
SC IN	SERIAL CLOCK INPUT	TUN NOR IN	TUNER NORMAL INPUT
SC OUT	SERIAL CLOCK OUTPUT	TUN R	TUNER AUDIO (R)
SCK SELECT	SERIAL CLOCK SELECT	TUN. AUDIO IN	TUNER AUDIO INPUT
SEL OUT [L]	SELECT OUTPUT (L)	TUNER 12V	TUNER 12V
SEL OUT [R]	SELECT OUTPUT (R)	TUNER L	TUNER AUDIO (L)
SHUTTLE 1	SHUTTLE 1	TUNER V IN	TUNER VIDEO SIGNAL INPUT
SIF	SOUND INTERMEDIATE FREQUENCY	TUNER [L]	TUNER AUDIO (L)
SLMUT [H]	INPUT SELECT MUTE Ⓗ	TUNER [N]	TUNER AUDIO (NORMAL)
SLNID [+]	SOLENOID (+)	TUNER [R]	TUNER AUDIO (R)
SLNID [–]	SOLENOID (–)	TUNER. 12	TUNER 12V
SLW TR. MM	SLOW TRACKING MONO MULTI	TUOFF [H]	TUNER OFF Ⓗ
SLW TR. REF	SLOW TRACKING REFERENCE VOLTAGE	TV. AUDIO	TV AUDIO
		TV/VTR	TV/VTR
SNS. GND	SENSOR GND	TXTON [L]	TEXT ON Ⓛ
SOFT [H]	SOFT TAPE PLAY Ⓗ	U. REG45V	UNREGULATOR 45V
SOFT [H]/NORMAL	SOFT TAPE PLAY Ⓗ/NORMAL Ⓗ	UNREG	UNREGULATOR
SOLENOID ON [L]	SOLENOID ON Ⓛ	UNREG 19V	UNREGULATOR 19V
SP [H]	SP Ⓗ	V. REF	REFERENCE VOLTAGE
SP/L/SLP	SP/LP	V. EE [H]	VIDEO EE Ⓗ
SSS [L]	SLOW/STILL/STOP Ⓛ	V. EE [L]	VIDEO EE Ⓛ
STEREO LED	STEREO LED	VCO REF	REFERENCE OSCILLATOR
STEREO [H]	STEREO Ⓗ	VD. IN	VIDEO SIGNAL INPUT
STEREO [L]	STEREO Ⓛ	VD. OUT	VIDEO SIGNAL OUTPUT
STOP. PO	STOP POSITION	VIDEO EE [L]	VIDEO EE Ⓛ
STOP/5V	STOP POSITION/5V	VIDEO IN	VIDEO SIGNAL INPUT
STOP1/TAPE SEL	STOP1 POSITION/TAPE SELECT	VIDEO OUT	VIDEO SIGNAL OUTPUT
STOP1/PAL : ST	STOP 1 POSITION/PAL	VM	MOTOR VOLTAGE
STOP2. PO	STOP 2 POSITION	VM DOWN [L]	MOTOR VOLTAGE DOWN Ⓛ
STOP2 / S-TAB	STOP POSITION/SAFETY TAB SW	VSS	VERTICAL SYNC SIGNAL
STREO [H]	STEREO Ⓗ	VTR [H]	VTR Ⓗ
SUB BIAS	SUB BIAS	VTR. 12V	VTR 12V
SUB. SW	SUB SW	X IN	OSCILLATOR INPUT
SVHS CAS [L]	S-VHS CASSETTE Ⓛ	X OUT	OSCILLATOR OUTPUT
SW. 5. DET	SW 5V DETECT		
SYNC [L]	SYNC Ⓛ		
SYSCON 5V	SYSTEM CONTROL 5V		
SYSTEM	SYSTEM SW		
T-PHOTO	TAKE-UP PHOTO TRANSISTOR		
T-RL. PLS	TAKE-UP REEL PULSE		

5. INPUT/OUTPUT CHART

5.1. INPUT/OUTPUT CHART FOR IC6001

Fig. MP1

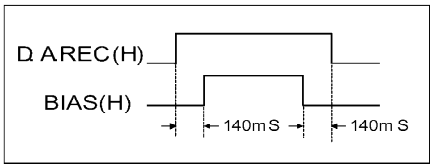
<table>
<tr><th>Pin No.</th><th>In/Out</th><th>Port Name</th><th>Function</th></tr>
<tr><td>1</td><td>O</td><td>AUDIO DEF(H)</td><td>This port is low while Decoder IC is reset.</td></tr>
<tr><td>2</td><td>O</td><td>LP(H)</td><td>This port is high during LP(X2) mode.</td></tr>
<tr><td>3</td><td>I</td><td>AFC(S)</td><td>Tuner S curve input.</td></tr>
<tr><td>4</td><td>O</td><td>SLP(H)</td><td>This port is high during SLP(X3) mode.</td></tr>
<tr><td>5</td><td>I</td><td>L6/U6/U4/U2/U2L</td><td>Cylinder unit selection (HI-FI/Normal)
<table>
<tr><th>Input voltage</th><th>Cylinder Type</th><th>HI-FI/NORMAL</th></tr>
<tr><td>More than 4.2V</td><td>LDD 6CH</td><td>HI-FI</td></tr>
<tr><td>3.0V - 4.2V</td><td>UDD 6CH</td><td>HI-FI</td></tr>
<tr><td>2.0V - 3.0V</td><td>UDD 2CH
(No LP mode)</td><td>NORMAL</td></tr>
<tr><td>0.8V - 2.0V</td><td>UDD 2CH
(With LP mode)</td><td>NORMAL</td></tr>
<tr><td>Less than 0.8V</td><td>UDD 4CH</td><td>NORMAL</td></tr>
</table></td></tr>
<tr><td>6</td><td>I</td><td>NORM/SER/T1/T2</td><td>Normal/Service/Test1/Test2 mode selection.
<table>
<tr><th>Input voltage</th><th>Mode</th></tr>
<tr><td>More than 4.0V</td><td>Normal</td></tr>
<tr><td>2.5V - 4.0V</td><td>Service</td></tr>
<tr><td>1.0V - 2.5V</td><td>Test2</td></tr>
<tr><td>Less than 1.0V</td><td>Test3</td></tr>
</table></td></tr>
<tr><td>7</td><td>I</td><td>S-PHOT</td><td>This port receives 2.4V or less when Supply photo sensor detects the tape end.</td></tr>
<tr><td>8</td><td>I</td><td>T-PHOT</td><td>This port receives 2.4V or less when Take-up photo sensor detects the tape beginning.</td></tr>
<tr><td>9</td><td>I</td><td>TRACKING ENVE</td><td>Playback envelope input for auto tracking adjustment and CVC.</td></tr>
<tr><td>10</td><td>O</td><td>Not used</td><td></td></tr>
<tr><td>11</td><td>O</td><td>CURRENT LIMIT</td><td>Capstan motor current limitter output.</td></tr>
<tr><td>12</td><td>O</td><td>F.ADJUST</td><td>Frequency responsibility adjustment voltage output.</td></tr>
<tr><td>13</td><td>O</td><td>ART.V/H/N</td><td>This port supplies artificial vertical sync signal to stabilize the picture in special playback mode.</td></tr>
<tr><td>14</td><td>I</td><td>REMOCON</td><td>Remote contoroll signal input and Digital Link input.</td></tr>
<tr><td>15</td><td>O</td><td>ROTARY.SW</td><td>Rotary switching signal output.</td></tr>
<tr><td>16</td><td>O</td><td>H.A.SW</td><td>Head amp switching signal output.</td></tr>
<tr><td>17</td><td>I</td><td>ENVE.SLECT</td><td>This port receives the playback envelope signal level to select the video head in special playback mode.</td></tr>
<tr><td>18</td><td>O</td><td>VIDEO.H.SW</td><td>Video head switching signal output.</td></tr>
<tr><td>19</td><td>O</td><td>AUDIO.H.SW</td><td>Audio head switching signal output.</td></tr>
<tr><td>20</td><td>O</td><td>CAL(H)</td><td>This port supplies high during audio IC automatic adjustment.</td></tr>
<tr><td>21</td><td>O</td><td>D.REC(H)</td><td>Video signal recording on/off control.</td></tr>
<tr><td>22</td><td>O</td><td>C.EMPHA(H)</td><td>This port supplies high during a certain time from starting the recording to control the HI-FI audio recording current.</td></tr>
<tr><td>23</td><td>O</td><td>FM.REC.MUTE(H)</td><td>HI-FI audio recording on/off control.</td></tr>
<tr><td>24</td><td>O</td><td>VIDEO.EE(L)</td><td>This port is low during EE mode.</td></tr>
<tr><td>25</td><td>O</td><td>PLAY REC(L)</td><td>Capstan voltage switching control output.
Except Play/Rec : High
Play/Rec : Low (Jog/Shuttle mode in Playback : High)</td></tr>
<tr><td>26</td><td>O</td><td>D.A.REC(H)</td><td rowspan="2">DC voltage control for recording mode.
 
</td></tr>
<tr><td>27</td><td>O</td><td>BIAS(L)</td></tr>
</table>

Fig. MP2

<table>
<tr><th>Pin No.</th><th>In/Out</th><th>Port Name</th><th>Function</th></tr>
<tr><td>28</td><td>O</td><td>FM.MUTE(H)</td><td>This port is high during special playback (CUE,REV,SLOW,STILL) mode, head cleaning and so on.</td></tr>
<tr><td>29</td><td>O</td><td>VSYNC(L)</td><td>This port is low when detecting the V-Sync signal.</td></tr>
<tr><td>30</td><td>O</td><td>FULL.ERASE(H)</td><td>Full erase on/off control.
ON : High
OFF : Low</td></tr>
<tr><td>31</td><td>I</td><td>POS.SW3</td><td rowspan="3"><table>
<tr><th>P. SW 3</th><th>P. SW 2</th><th>P. SW 1</th><th>Position (Mode) Name</th></tr>
<tr><td>O</td><td>O</td><td>O</td><td>EJECT</td></tr>
<tr><td>O</td><td>O</td><td>I</td><td>CASSETTE DOWN</td></tr>
<tr><td>O</td><td>I</td><td>O</td><td>REV,REV SLOW</td></tr>
<tr><td>O</td><td>I</td><td>I</td><td>MID (LOADING/UNLOADING)</td></tr>
<tr><td>I</td><td>O</td><td>O</td><td>PLAY/REC,STILL/PAUSE,CUE</td></tr>
<tr><td></td><td></td><td></td><td>FWD SLOW,STOP3*1</td></tr>
<tr><td>I</td><td>O</td><td>I</td><td>STOP</td></tr>
<tr><td>I</td><td>I</td><td>O</td><td>FF/REW</td></tr>
<tr><td>I</td><td>I</td><td>I</td><td>INTERMEDIATE</td></tr>
</table>(*1) The Pinch Roller is on the Capstan motor shaft.</td></tr>
<tr><td>32</td><td>I</td><td>POS.SW2</td></tr>
<tr><td>33</td><td>I</td><td>POS.SW1</td></tr>
<tr><td>34</td><td>I</td><td>RESET(L)</td><td>This port is low while IC6001 is reset.</td></tr>
<tr><td>35</td><td>I</td><td>32KHz.IN</td><td>Oscillator input.</td></tr>
<tr><td>36</td><td>O</td><td>32KHz.OUT</td><td>Oscillator output.</td></tr>
<tr><td>37</td><td>-</td><td>5V(D)</td><td>Digital 5V.</td></tr>
<tr><td>38</td><td>I</td><td>16MHz.IN</td><td>Oscillator input.</td></tr>
<tr><td>39</td><td>O</td><td>16MHz.OUT</td><td>Oscillator output.</td></tr>
<tr><td>40</td><td>-</td><td>GND(OSC)</td><td>Oscillator GND.</td></tr>
<tr><td>41</td><td>O</td><td>P.OFF(H)</td><td>This port is high during power off.
Power off,Timer REC stand-by etc. : High
VPS/PDC stand-by,ACS,Timer REC confirmation,Head cleaning : Low</td></tr>
<tr><td>42</td><td>O</td><td>FIP(L)</td><td>FIP on/off control.</td></tr>
<tr><td>43</td><td>I</td><td>16M.START(H)</td><td>Clock source selection at starting reset.</td></tr>
<tr><td>44</td><td>I</td><td>LC.OSD IN</td><td>OSD clock oscillator input.</td></tr>
<tr><td>45</td><td>O</td><td>LC.OSD OUT</td><td>OSD clock oscillator output.</td></tr>
<tr><td>46</td><td>-</td><td>GND</td><td>GND</td></tr>
<tr><td>47</td><td>I</td><td>4FC.LPF</td><td>LPF connection port</td></tr>
<tr><td>48</td><td>I</td><td>OSD FSC IN</td><td>OSD fsc input.</td></tr>
<tr><td>49</td><td>-</td><td>GND</td><td>OSD GND</td></tr>
<tr><td>50</td><td>I</td><td>CV IN</td><td>Composite video signal input</td></tr>
<tr><td>51</td><td>I</td><td>LECHA</td><td>White level of composite video signal input</td></tr>
<tr><td>52</td><td>O</td><td>CV OUT</td><td>Composite video signal output</td></tr>
<tr><td>53</td><td>I</td><td>5V(OSD)</td><td>OSD 5V</td></tr>
<tr><td>54</td><td>I</td><td>HLF</td><td>LPF connection port</td></tr>
<tr><td>55</td><td>I</td><td>SECAM.V.IN</td><td>Chrominance signal input for SECAM superimpose</td></tr>
<tr><td>56</td><td>I</td><td>Not used</td><td></td></tr>
<tr><td>57</td><td>-</td><td>GND</td><td>GND</td></tr>
<tr><td>58</td><td>I</td><td>C.SYNC</td><td>Composite sync signal input</td></tr>
<tr><td>59</td><td>O</td><td>PAL-I/BG/DK</td><td>System 4 (Refer to Fig.MP4)</td></tr>
<tr><td>60</td><td>O</td><td>SECAM(L)</td><td>System 2 (Refer to Fig.MP4)</td></tr>
<tr><td>61</td><td>O</td><td>SLEEP(L)</td><td>This port supplies low during super power save mode.</td></tr>
<tr><td>62</td><td>O</td><td>UNLOADING(H)</td><td>This port supplies high during the mechanism is unloaded.</td></tr>
<tr><td>63</td><td>O</td><td>LOADING(H)</td><td>This port supplies high during the mechanism is loaded.</td></tr>
</table>

Fig. MP3

Pin No.	In/Out	Port Name	Function
64	O	FLD/OSD CS	FIP driver and OSD microprocessor chip selection. FIP driver chip is selected : Low OSD microprocessor chip is selected : High
65	O	FLD/T2.DATA.OUT	FIP driver/Serial data output for factory.
66	I	FLD/T2.DATA.IN	FIP driver/Serial data input for factory.
67	O	FLD/T2.CLOCK	FIP driver/Serial data clock for factory.
68	O	T-BUS TLK	OSD microprocessor serial data output.
69	I	T-BUS LSN	OSD microprocessor serial data input.
70	O	T-BUS CLK	OSD microprocessor serial clock output.
71	O	IIC.CLOCK	Tuner and HI-FI audio IC serial clock output.
72	I/O	IIC.DATA	Tuner and HI-FI audio IC serial data input/output.
73	O	125Hz	Oscillator output for main clock adjustment.
74	O	CAP.R/F	Capstan rotation direction control. Reverse : High Forward : Low
75	O	HALF WAVE(H)	Capstan driver selection.
76	O	CAP.ET	Capstan torque control.
77	O	CYL.ET	Cylinder torque control.
78	I	POWER FAIL(L)	Power failure detection.
79	I	S.REEL.PULSE	Supply reel pulse input.
80	I	T.REEL.PULSE	Take-up reel pulse input.
81	I	STAB(L)	This port receives low when inserting the cassette tape with safely tab.
82	I	POWER KEY(H)	Power on/off key input.
83	I	SHORT DN	DC voltage (BIAS (H)) detection. When detecting High at BIAS (H) during BIAS (H) is set to except high, complsory power is turned off (Self test indication display F08). When detecting Low at BIAS (H) during BAIS (H) is set to high, complsory power is turned off (Self test indication display F07).
84	I	SECAM24(H)	Video head selection input. In SECAM model, this port is high when using 24u head chip for LP mode is mounted on the cylinder.
85	I	Not used	
86	O	CAP.FG OUT	Capstan FG output.
87	I	CAP.FG IN	Capstan FG input.
88	-	GND	GND.
89	I	Not used	
90	I	CYL.PFG	Cylinder PFG input.
91	O	OREF	Op amp output for 1/2 VDD reference.
92	I	IREF	Op amp input for 1/2 VDD reference.
93	I	Not used	
94	I	CTL.HEAD(-)	Control signal (-) input.
95	I	CTL.HEAD(+)	Control signal (+) input.
96	I	CTL.AMP.REF	Control amp reference input.
97	O	PB.CTL.OUT	Control amp output.
98	-	5V(A)	Analog 5V.
99	-	5V(AD)	5V.
100	O	EX.FF/REW(L)	This port supplies low during except FF and REW modes.

Fig. MP4

Pin No. / Suffix	System 2 Pin 60	System 4 Pin 59
ALL	MESECAM (L) H : OTHER L : SECAM	I/L,DK,BG H:I/L Z:DK L:BG

Z : High impedance

5.2. TRUTH TABLE

5.2.1. EXCEPT B-S/B-K/BL-K MODEL

INPUT CONDITION							OUTPUT RESULT					
POWER	AV2 SELECT	TV/ VTR	EE/ VV	OSD ON(H)	INPUT CH	AV2 PB(H)	AV1 OUT	AV2 OUT	AV1 PB(H)	RGB SW	VCR IN	VCR OUT
P.OFF	---	---	---	---	---	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
VPS STAND BY	EXT	---	---	L	NORMAL TUN	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
					C+ TUNER	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
					AV1	L	AV2 IN	AV1 IN	L	OFF	AV1	AV1
						H	AV2 IN	AV1 IN	H	ON	AV1	AV1
					AV2	L	AV2 IN	AV1 IN	L	OFF	AV2	AV2
						H	AV2 IN	AV1 IN	H	ON	AV2	AV2
					AV3	L	AV2 IN	AV1 IN	L	OFF	AV3	AV3
						H	AV2 IN	AV1 IN	H	ON	AV3	AV3
					SAT.NOR TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
						H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
						H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
				H	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					C+ TUNER	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
						H	VTR OUT	AV1 IN	H	OFF	AV1	AV1
					AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
						H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
	DECODER	---	---	L	NORMAL TUN	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
					C+ TUNER	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
					AV1	L	AV2 IN	AV1 IN	L	OFF	AV1	AV1
						H	AV2 IN	AV1 IN	H	ON	AV2	AV2
					AV2	L	AV2 IN	AV1 IN	L	OFF	AV2	AV2
						H	AV2 IN	AV1 IN	H	ON	AV2	AV2
					AV3	L	AV2 IN	AV1 IN	L	OFF	AV3	AV3
						H	AV2 IN	AV1 IN	H	ON	AV3	AV3
					SAT.NOR TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
						H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
						H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
				H	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					C+ TUNER	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
						H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN

NOTE: THIS TABLE IS ONLY FOR “EG-S/EG-K/EGYS/EGYK/EC-S/EC-K/ECMS/ECMK/ECYS/ECYK /EL-K/EP-K/EPYK” MODEL

INPUT CONDITION							OUTPUT RESULT					
POWER	AV2 SELECT	TV/ VTR	EE/ VV	OSD ON(H)	INPUT CH	AV2 PB(H)	AV1 OUT	AV2 OUT	AV1 PB(H)	RGB SW	VCR IN	VCR OUT
P.ON	EXT	TV	EE	L	NORMAL TUN	---	VTR OUT	VTR OUT	L	OFF	TUN	TUN
					C+ TUNER	---	VTR OUT	VTR OUT	L	OFF	TUN	TUN
					AV1	---	VTR OUT	VTR OUT	L	OFF	AV1	AV1
					AV2	---	VTR OUT	VTR OUT	L	ON	AV2	AV2
					AV3	---	VTR OUT	VTR OUT	L	OFF	AV3	AV3
					SAT.NOR TUN	---	VTR OUT	VTR OUT	L	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	---	VTR OUT	VTR OUT	L	OFF	SAT.TUN	SAT.TUN
				H	NORMAL TUN	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					C+ TUNER	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					AV1	---	VTR OUT	VTR OUT	H	OFF	AV1	AV1
					AV2	---	VTR OUT	VTR OUT	H	ON	AV2	AV2
					AV3	---	VTR OUT	VTR OUT	H	OFF	AV3	AV3
					SAT.NOR TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
		VTR	EE	L	NORMAL TUN	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					C+ TUNER	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					AV1	---	VTR OUT	VTR OUT	H	OFF	AV1	AV1
					AV2	---	VTR OUT	VTR OUT	H	ON	AV2	AV2
					AV3	---	VTR OUT	VTR OUT	H	OFF	AV3	AV3
					SAT.NOR TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
				H	NORMAL TUN	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					C+ TUNER	---	VTR OUT	VTR OUT	H	OFF	TUN	TUN
					AV1	---	VTR OUT	VTR OUT	H	OFF	AV1	AV1
					AV2	---	VTR OUT	VTR OUT	H	ON	AV2	AV2
					AV3	---	VTR OUT	VTR OUT	H	OFF	AV3	AV3
					SAT.NOR TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
			VV	---	NORMAL TUN	---	VTR OUT	VTR OUT	H	OFF	TUN	PB
					C+ TUNER	---	VTR OUT	VTR OUT	H	OFF	TUN	PB
					AV1	---	VTR OUT	VTR OUT	H	OFF	AV1	PB
					AV2	---	VTR OUT	VTR OUT	H	OFF	AV2	PB
					AV3	---	VTR OUT	VTR OUT	H	OFF	AV3	PB
					SAT.NOR TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	PB
					SAT.C+ TUN	---	VTR OUT	VTR OUT	H	OFF	SAT.TUN	PB
	DECODER	TV	EE	L	NORMAL TUN	L	VTR OUT	AV1 IN	L	OFF	TUN	TUN
						H	AV2 IN	AV1 IN	H	ON	TUN	TUN
					C+ TUNER	L	VTR OUT	TUN IN	L	OFF	TUN	TUN
						H	VTR OUT	TUN IN	L	OFF	AV2	AV2
					AV1	L	VTR OUT	AV1 IN	L	OFF	AV1	AV1
						H	AV2 IN	AV1 IN	H	ON	AV2	AV2
					AV2	L	VTR OUT	AV1 IN	L	ON	AV2	AV2
						H	AV2 IN	AV1 IN	H	ON	AV2	AV2
					AV3	L	VTR OUT	AV1 IN	L	OFF	AV3	AV3
						H	AV2 IN	AV1 IN	H	ON	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
						H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	SAT IN	L	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	SAT IN	L	OFF	AV2	AV2
				H	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					C+ TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	TUN
						H	VTR OUT	TUN IN	H	ON	AV2	AV2
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2

NOTE: THIS TABLE IS ONLY FOR “EG-S/EG-K/EGYS/EGYK/EC-S/EC-K/ECMS/ECMK/ECYS/ECYK /EL-K/EP-K/EPYK” MODEL

INPUT CONDITION							OUTPUT RESULT					
POWER	AV2 SELECT	TV/ VTR	EE/ VV	OSD ON(H)	INPUT CH	AV2 PB(H)	AV1 OUT	AV2 OUT	AV1 PB(H)	RGB SW	VCR IN	VCR OUT
P.ON	DECODER	TV	EE	H	AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
						H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	SAT IN	H	ON	AV2	AV2
		VTR	EE	L	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					C+ TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	TUN
						H	VTR OUT	TUN IN	H	ON	AV2	AV2
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV 3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
						H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	SAT IN	H	ON	AV2	AV2
				H	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
						H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					C+ TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	TUN
						H	VTR OUT	TUN IN	H	ON	AV2	AV2
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
						H	VTR OUT	AV1 IN	H	ON	AV2	AV2
					AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
						H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					SAT.C+ TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	SAT.TUN
						H	VTR OUT	SAT IN	H	ON	AV2	AV2
			VV	---	NORMAL TUN	L	VTR OUT	AV1 IN	H	OFF	TUN	PB
						H	VTR OUT	AV1 IN	H	OFF	TUN	PB
					C+ TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	PB
						H	VTR OUT	TUN IN	H	OFF	AV2	PB
					AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	PB
						H	VTR OUT	AV1 IN	H	OFF	AV2	PB
					AV2	L	VTR OUT	AV1 IN	H	OFF	AV2	PB
						H	VTR OUT	AV1 IN	H	OFF	AV2	PB
					AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	PB
						H	VTR OUT	AV1 IN	H	OFF	AV3	PB
					SAT.NOR TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	PB
						H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	PB
					SAT.C+ TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	PB
						H	VTR OUT	SAT IN	H	OFF	AV2	PB

NOTE: THIS TABLE IS ONLY FOR "EG-S/EG-K/EGYS/EGYK/EC-S/EC-K/ECMS/ECMK/ECYS/ECYK /EL-K/EP-K/EPYK" MODEL

5.2.2. B-S/B-K/BL-K MODEL

INPUT CONDITION						OUTPUT RESULT					
POWER	AV2 SELECT	EE/VV	OSD ON(H)	INPUT CH	AV PB(H)	AV1 OUT	AV2 OUT	AV1 PB(H)	RGB SW	VCR IN	VCR OUT
P.OFF	----	----	----	----	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
					H	AV2 IN	AV1 IN	H	ON	TUN	TUN
PDC STAND BY	EXT	----	L	TUNER	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
					H	AV2 IN	AV1 IN	H	ON	TUN	TUN
				AV1	L	AV2 IN	AV1 IN	L	OFF	AV1	AV1
					H	AV2 IN	AV1 IN	H	ON	AV1	AV1
				AV2	L	AV2 IN	AV1 IN	L	OFF	AV2	AV2
					H	AV2 IN	AV1 IN	H	ON	AV2	AV2
				AV3	L	AV2 IN	AV1 IN	L	OFF	AV3	AV3
					H	AV2 IN	AV1 IN	H	ON	AV3	AV3
				SAT.TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
					H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
			H	TUNER	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
				AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
					H	VTR OUT	AV1 IN	H	OFF	AV1	AV1
				AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
					H	VTR OUT	AV1 IN	H	ON	AV2	AV2
				AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
				SAT.TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
	DECODER	----	L	TUNER	L	AV2 IN	AV1 IN	L	OFF	TUN	TUN
					H	AV2 IN	AV1 IN	H	ON	TUN	TUN
				AV1	L	AV2 IN	AV1 IN	L	OFF	AV1	AV1
					H	AV2 IN	AV1 IN	H	ON	AV2	AV2
				AV2	L	AV2 IN	AV1 IN	L	OFF	AV2	AV2
					H	AV2 IN	AV1 IN	H	ON	AV2	AV2
				AV3	L	AV2 IN	AV1 IN	L	OFF	AV3	AV3
					H	AV2 IN	AV1 IN	H	ON	AV3	AV3
				SAT.TUN	L	AV2 IN	AV1 IN	L	OFF	SAT.TUN	SAT.TUN
					H	AV2 IN	AV1 IN	H	ON	SAT.TUN	SAT.TUN
			H	TUNER	L	VTR OUT	AV1 IN	H	OFF	TUN	TUN
					H	VTR OUT	AV1 IN	H	OFF	TUN	TUN
				AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
					H	VTR OUT	AV1 IN	H	ON	AV2	AV2
				AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
					H	VTR OUT	AV1 IN	H	ON	AV2	AV2
				AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
				SAT.TUN	L	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN
					H	VTR OUT	AV1 IN	H	OFF	SAT.TUN	SAT.TUN

NOTE: THIS TABLE IS ONLY FOR “B-S/B-K/BL-K” MODEL

INPUT CONDITION						OUTPUT RESULT					
POWER	AV2 SELECT	EE/VV	OSD ON(H)	INPUT CH	AV PB(H)	AV1 OUT	AV2 OUT	AV1 PB(H)	RGB SW	VCR IN	VCR OUT
P.ON	EXT	EE	L	TUNER	----	VTR OUT	VTR OUT	L	OFF	TUN	TUN
				AV1	----	VTR OUT	VTR OUT	L	OFF	AV1	AV1
				AV2	----	VTR OUT	VTR OUT	L	ON	AV2	AV2
				AV3	----	VTR OUT	VTR OUT	L	OFF	AV3	AV3
				SAT.TUN	----	VTR OUT	VTR OUT	L	OFF	SAT.TUN	SAT.TUN
			H	TUNER	----	VTR OUT	VTR OUT	H	OFF	TUN	TUN
				AV1	----	VTR OUT	VTR OUT	H	OFF	AV1	AV1
				AV2	----	VTR OUT	VTR OUT	H	ON	AV2	AV2
				AV3	----	VTR OUT	VTR OUT	H	OFF	AV3	AV3
				SAT.TUN	----	VTR OUT	VTR OUT	H	OFF	SAT.TUN	SAT.TUN
		VV	----	TUNER	----	VTR OUT	VTR OUT	H	OFF	TUN	PB
				AV1	----	VTR OUT	VTR OUT	H	OFF	AV1	PB
				AV2	----	VTR OUT	VTR OUT	H	OFF	AV2	PB
				AV3	----	VTR OUT	VTR OUT	H	OFF	AV3	PB
				SAT.TUN	----	VTR OUT	VTR OUT	H	OFF	SAT.TUN	PB
	DECODER	EE	L	TUNER	L	VTR OUT	TUN IN	L	OFF	TUN	TUN
					H	VTR OUT	TUN IN	L	ON	AV2	AV2
				AV1	L	VTR OUT	AV1 IN	L	OFF	AV1	AV1
					H	VTR OUT	AV1 IN	L	ON	AV2	AV2
				AV2	L	VTR OUT	AV1 IN	L	ON	AV2	AV2
					H	VTR OUT	AV1 IN	L	ON	AV2	AV2
				AV3	L	VTR OUT	AV1 IN	L	OFF	AV3	AV3
					H	VTR OUT	AV1 IN	L	OFF	AV3	AV3
				SAT.TUN	L	VTR OUT	SAT IN	L	OFF	SAT.TUN	SAT.TUN
					H	VTR OUT	SAT IN	L	ON	AV2	AV2
			H	TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	TUN
					H	VTR OUT	TUN IN	H	ON	AV2	AV2
				AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	AV1
					H	VTR OUT	AV1 IN	H	ON	AV2	AV2
				AV2	L	VTR OUT	AV1 IN	H	ON	AV2	AV2
					H	VTR OUT	AV1 IN	H	ON	AV2	AV2
				AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	AV3
					H	VTR OUT	AV1 IN	H	OFF	AV3	AV3
				SAT.TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	SAT.TUN
					H	VTR OUT	SAT IN	H	ON	AV2	AV2
		VV	----	TUNER	L	VTR OUT	TUN IN	H	OFF	TUN	PB
					H	VTR OUT	TUN IN	H	OFF	AV2	PB
				AV1	L	VTR OUT	AV1 IN	H	OFF	AV1	PB
					H	VTR OUT	AV1 IN	H	OFF	AV2	PB
				AV2	L	VTR OUT	AV1 IN	H	OFF	AV2	PB
					H	VTR OUT	AV1 IN	H	OFF	AV2	PB
				AV3	L	VTR OUT	AV1 IN	H	OFF	AV3	PB
					H	VTR OUT	AV1 IN	H	OFF	AV3	PB
				SAT.TUN	L	VTR OUT	SAT IN	H	OFF	SAT.TUN	PB
					H	VTR OUT	SAT IN	H	OFF	AV2	PB

NOTE: THIS TABLE IS ONLY FOR "B-S/B-K/BL-K" MODEL

6. BLOCK DIAGRAMS

6.1. SYSTEM CONTROL & SERVO /TIMER SECTION BLOCK DIAGRAM

6.2. VIDEO SECTION BLOCK DIAGRAM

6.3. Hi-Fi AUDIO SECTION BLOCK DIAGRAM

6.4. INPUT/OUTPUT SECTION BLOCK DIAGRAM

7. SCHEMATIC DIAGRAMS

7.1. POWER SCHEMATIC DIAGRAM

7.2. SYSTEM CONTROL & SERVO / TIMER SECTION IN MAIN SCHEMATIC DIAGRAM

7.3. VIDEO SECTION IN MAIN SCHEMATIC DIAGRAM

7.4. Hi-Fi AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM

7.5. INPUT/OUTPUT & TUNER SECTION IN MAIN SCHEMATIC DIAGRAM

7.6. CYLINDER MOTOR UNIT SCHEMATIC DIAGRAM

7.7. OSD SECTION IN MAIN SCHEMATIC DIAGRAM

7.8. TV DEMODULATOR PACK SCHEMATIC DIAGRAM

7.9. DECODER PACK SCHEMATIC DIAGRAM

7.10. NICAM DECODER PACK SCHEMATIC DIAGRAM

7.11. CAPSTAN DRIVE UNIT SCHEMATIC DIAGRAM

8. CIRCUIT BOARD ASSEMBLIES

8.1. POWER C.B.A. (VEP01826T)

8.2. CYLINDER MOTOR UNIT

8.3. MAIN C.B.A.

8.4. TV DEMODULATOR PACK C.B.A.

PART NO.	MODEL NO.	MARK
VEP07A23A	NV-FJ603EL-K	G
	NV-FJ603EP-K	H
	NV-FJ604EG-K	A
	NV-FJ606EG-K	
	NV-FJ610EG-K	
	NV-FJ610EG-S	
	NV-FJ604ECMK	D
	NV-FJ606EC-K	
	NV-FJ606ECMK	
	NV-FJ610EC-K	
	NV-FJ610EC-S	
	NV-FJ610ECMK	
	NV-FJ610ECMS	
VEP07A23B	NV-FJ606B-K	C
	NV-FJ610B-K	
	NV-FJ610B-S	
	NV-FJ610BL-K	F
VEP07A31C	NV-FJ603EPYK	J
	NV-FJ606EGYK	B
	NV-FJ610EGYK	
	NV-FJ610EGYS	
	NV-FJ610ECYK	E
	NV-FJ610ECYS	

8.5. DECODER PACK C.B.A.

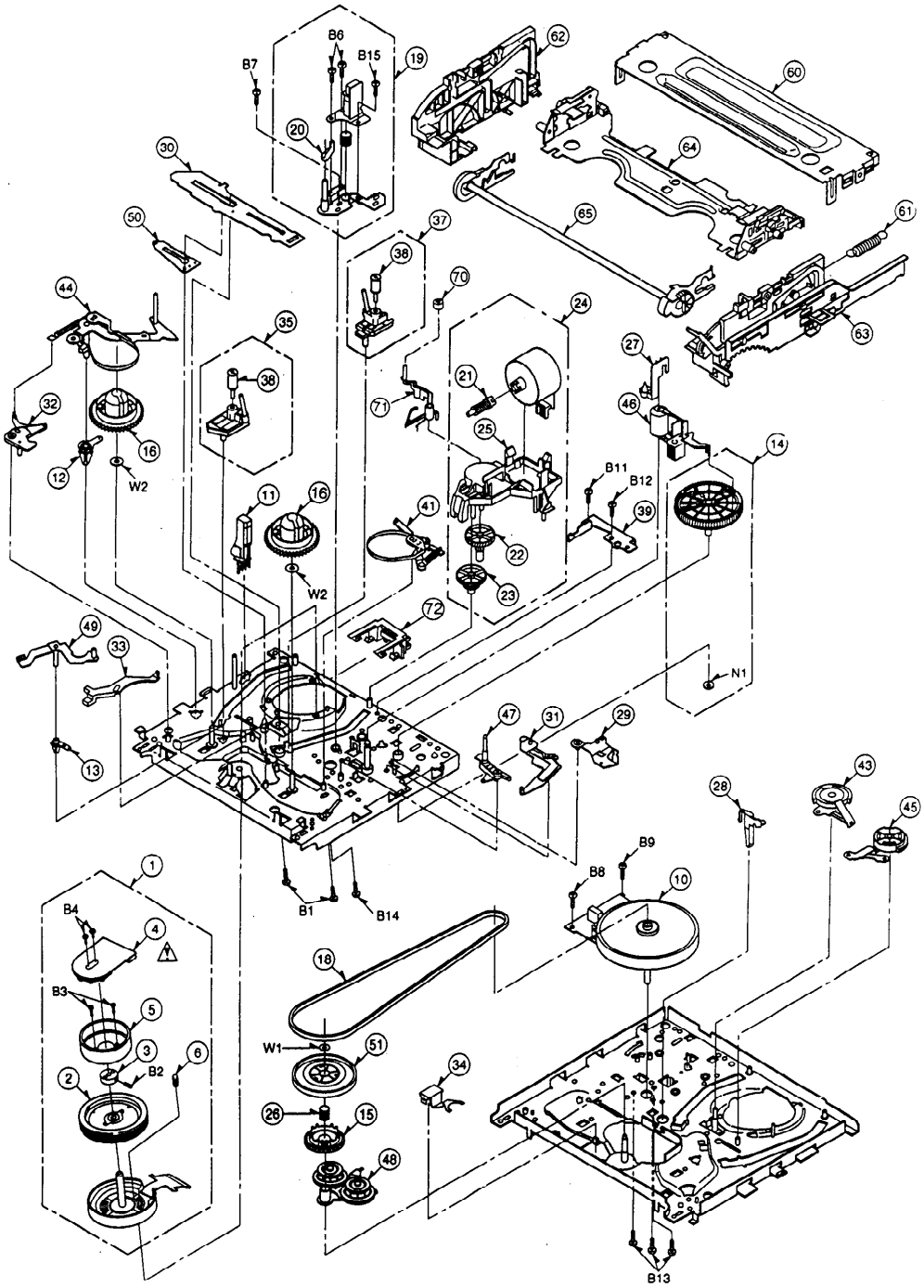
PART NO.	MODEL NO.	MARK
VEP07A16A	NV-FJ603EL-K	G
	NV-FJ604EG-K	A
	NV-FJ606EG-K	
	NV-FJ610EG-K	
	NV-FJ610EG-S	
	NV-FJ606EGYK	B
	NV-FJ610EGYK	
	NV-FJ610EGYS	

8.6. NICAM DECODER PACK C.B.A.

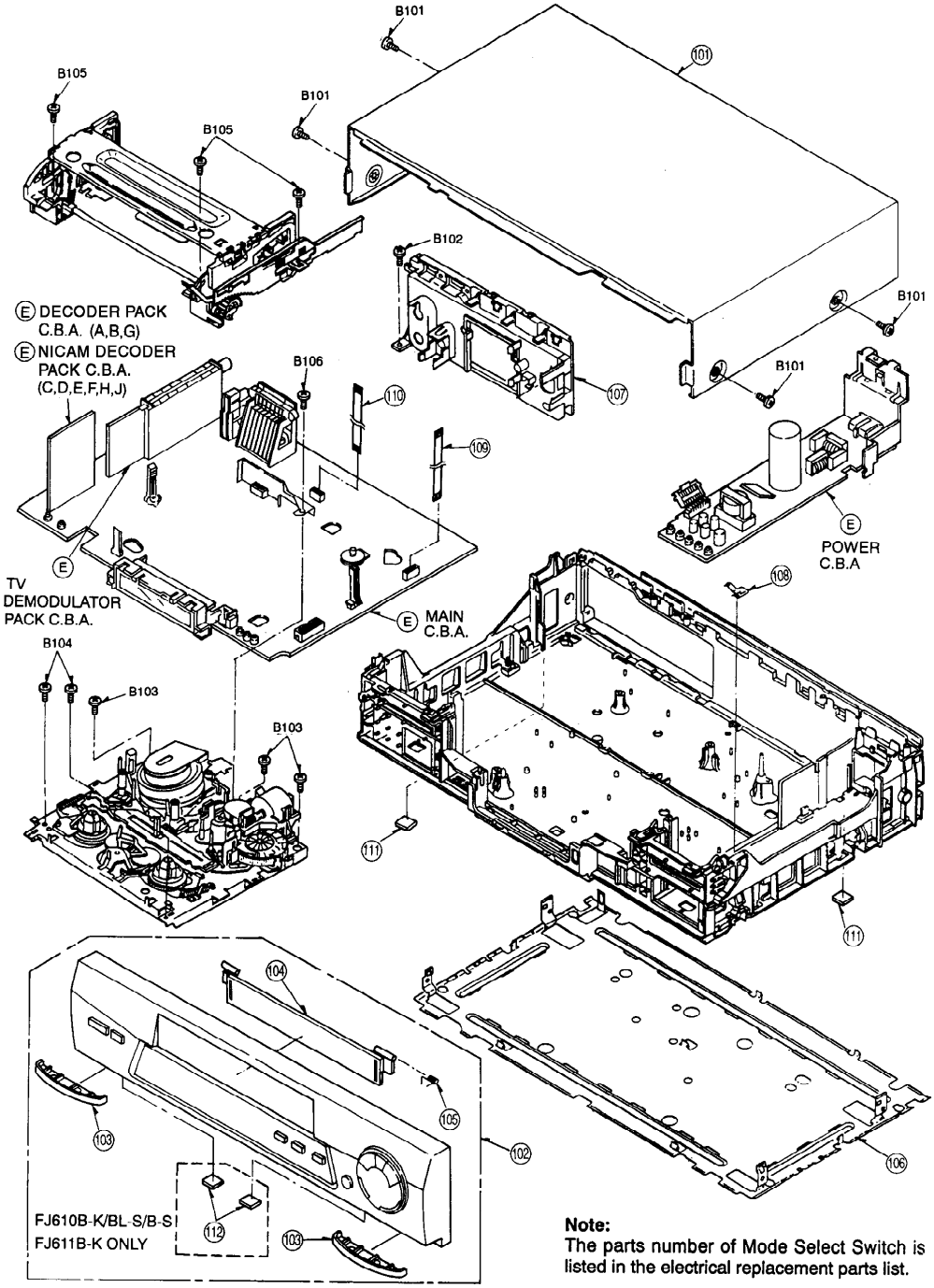
PART NO.	MODEL NO.	MARK
VEP07A18A	NV-FJ606B-K	C
	NV-FJ610B-S	
	NV-FJ610B-K	
	NV-FJ610BL-K	F
VEP07A18B	NV-FJ603EP-K	H
	NV-FJ603EPYK	J
	NV-FJ604ECMK	D
	NV-FJ606EC-K	
	NV-FJ606ECMK	
	NV-FJ610EC-K	
	NV-FJ610EC-S	
	NV-FJ610ECMK	
	NV-FJ610ECMS	
	NV-FJ610ECYK	E
	NV-FJ610ECYS	

9. EXPLODED VIEWS

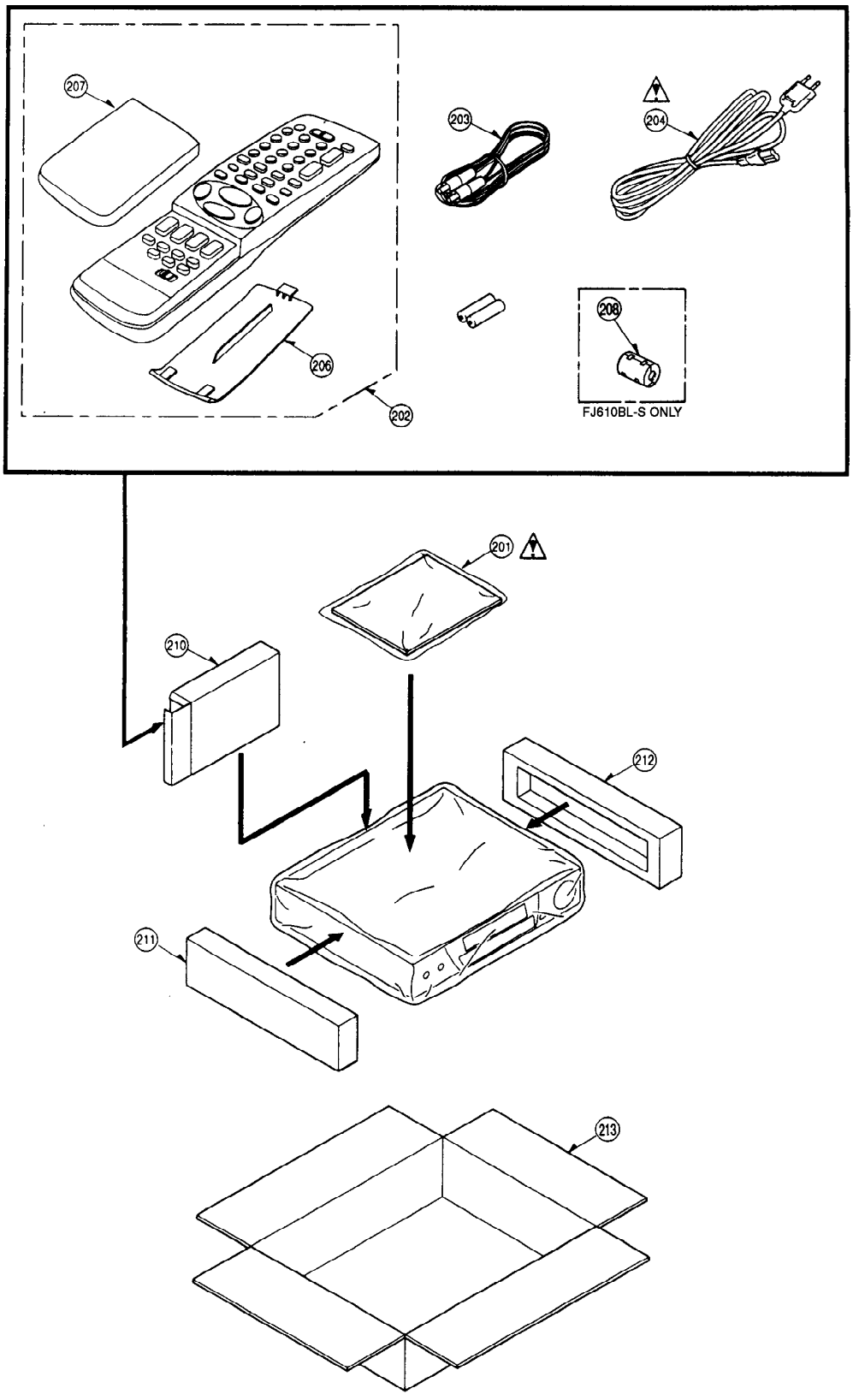
9.1. CHASSIS PARTS SECTION



9.2. CASING PARTS SECTION



9.3. PACKING PARTS SECTION



10. REPLACEMENT PARTS LIST

10.1. MECHANICAL REPLACEMENT PARTS LIST

Note: 1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

10.1.1. CHASSIS PARTS SECTION

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1 (1)	VEG1535	CYLINDER UNIT	1	[SUPPLIED FROM MBV]
2 (1)	VEH0844	UPPER CYLINDER UNIT	1	
3 (1)	VDB1256	CYLINDER RETAINER	1	
4 (1)	VEK8840	CYLINDER STATOR UNIT	1	⚠[SUPPLIED FROM MBV]
5 (1)	VXP1956	CYLINDER ROTOR UNIT	1	[SUPPLIED FROM MBV]
6 (1)	VXS0135	EARTH BRUSH UNIT	1	
10 (1)	VEK8841	CAPSTAN UNIT	1	
11 (1)	VBS0155	FE HEAD	1	
12 (1)	VDB1431	TENSION ARM BOSS	1	
13 (1)	VDB1460	SUPPLY BRAKE ARM BOSS	1	
14 (1)	VDG1220KIT	MAIN CAM GEAR	1	
15 (1)	VDG1221	CONVERSION GEAR	1	
16 (1)	VDR0350	SUPPLY/TAKE-UP REEL TABLE	2	
18 (1)	VDV0382	CAPSTAN BELT	1	
19 (1)	VED0412	A/C HEAD UNIT	1	
20 (1)	VMX2656	P4 CAP	1	
21 (1)	VDG1217	WORM GEAR	1	
22 (1)	VDG1218	WORM WHEEL GEAR	1	
23 (1)	VDG1219	CENTRE GEAR	1	
24 (1)	VEM0604	LOADING MOTOR UNIT	1	
25 (1)	VMD2619	MOTOR BRACKET	1	
26 (1)	VMB3045	CONVERSION GEAR SPRING	1	
27 (1)	VMD2620	OPENER PIECE	1	
28 (1)	VMD2738	LED PRISM	1	
29 (1)	VML3165	DRIVE RACK ARM	1	
30 (1)	VML3166	MAIN LEVER	1	
31 (1)	VML3167	DRIVE MAIN LEVER ARM	1	
32 (1)	VML3172	SUPPLY SPRING ARM	1	
33 (1)	VML3176	CONVERSION LEVER A	1	
34 (1)	VML3177	CONVERSION LEVER B	1	
35 (1)	VXA6040	INCLINED BASE (S) UNIT	1	
37 (1)	VXA5854	INCLINED BASE (T) UNIT	1	
38 (1)	VXP1840	ROLLER POST	2	
39 (1)	VMA9672	SUPPORT ANGLE	1	
41 (1)	VXL2667	TAKE UP BRAKE ARM UNIT	1	
43 (1)	VXL2670	TAKE UP LOADING ARM UNIT	1	
44 (1)	VXL2798	TENSION ARM UNIT	1	
45 (1)	VXL2672	SUPPLY LOADING ARM UNIT	1	
46 (1)	VXL2785	PINCH ARM UNIT	1	
47 (1)	VXL2996	P5 ARM UNIT	1	
48 (1)	VXL2792	IDLER ARM UNIT	1	
49 (1)	VXL2733	SUPPLY BRAKE ARM UNIT	1	
50 (1)	VXL2747	LOADING RACK UNIT	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
51 (1)	VXP2035	CENTRE CLUTCH UNIT	1	
60 (1)	VMA9516	TOP PLATE	1	
61 (1)	VMB3047	CONNECTION SPRING	1	
62 (1)	VMD3379	SIDE PLATE (L)	1	[SUPPLIED FROM MBV]
63 (1)	VXA6607	SIDE PLATE (R) UNIT	1	
64 (1)	VXA5746	CASSETTE HOLDER UNIT	1	
65 (1)	VXP1730	MAIN SHAFT UNIT	1	
70 (1)	VDP1668	CLEANER ROLLER	1	[SUPPLIED FROM MBV]
71 (1)	VML3164	CLEANER ARM	1	
72 (1)	VMD3795	FPC HOLDER	1	[SUPPLIED FROM MBV]
B1 (1)	VHD1117	SCREW	2	
B2 (1)	VHD0842	SCREW	1	
B3 (1)	VHD0843	SCREW	2	
B4 (1)	VHD0844	SCREW	2	
B5 (1)	XYN26+C5	SCREW	1	
B6 (1)	VHD1066	SCREW	2	
B7 (1)	VHD1044	SCREW	1	
B8 (1)	VHD1060	SCREW	1	
B9 (1)	VHD1071	SCREW	1	
B11 (1)	XTS26+6F	SCREW	1	
B12 (1)	XTN26+6F	SCREW	1	
B13 (1)	XTN26+7J	SCREW	3	
B14 (1)	VHD1095	SCREW	1	
B15 (1)	VHD1185	SCREW	1	
N1 (1)	VHN0311	PUSH NUT	1	
W1 (1)	VMX2208	WASHER	1	
W2 (1)	VMX2650	WASHER	2	

10.1.2. CASING PARTS SECTION

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
101 (2)	VGM1466	TOP PANEL	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-K/ EGYK/B-K
				NV-FJ610ECMK/ EC-K/ECYK
				NV-FJ611B-K
				NV-FJ606EG-K/ EGYK
				NV-FJ606ECMK/ EC-K
				NV-FJ603EPYK/ EL-K/EP-K
				NV-FJ604EG-K/ ECMK
101 (2)	VGM1556	TOP PANEL	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-S/ EGYS/B-S
				NV-FJ610ECMS/ EC-S/ECYS
				NV-FJ610BL-S
102 (2)	VYP7537	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-K/ EGYK
102 (2)	VYP7536	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-S/ EGYS
102 (2)	VYP7541	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610B-K
102 (2)	VYP7540	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610B-S/BL -S
102 (2)	VYP7539	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610ECMK/ EC-K/ECYK
102 (2)	VYP7538	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ610ECMS/ EC-S/ECYS
102 (2)	VYP7545	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ606EG-K/ EGYK
102 (2)	VYP7547	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ603EPYK/ EP-K
102 (2)	VYP7562	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ606ECMK/ EC-K

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
102 (2)	VYP7546	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ603EL-K
102 (2)	VYP7548	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ611B-K
102 (2)	VYP7550	FRONT PANEL UNIT	1	[SUPPLIED FROM MBV]
				NV-FJ604EG-K/ ECMK
103 (2)	VKA0191	LEG (LEFT & RIGHT)	1	
104 (2)	VKF3037	BLINDER PANEL	1	[SUPPLIED FROM MBV]
105 (2)	VMB2521	BLINDER SPRING	1	
106 (2)	VKU0519	BOTTOM PLATE	1	
107 (2)	VJH1024	JACK BOARD	1	[SUPPLIED FROM MBV]
108 (2)	VMC1065	EARTH SPRING	1	
109 (2)	VWJ1281	FLAT CARD CABLE (9P)	1	[SUPPLIED FROM MBV]
				MAIN-A/C FPC
110 (2)	VWJ1282	FLAT CARD CABLE (6P)	1	[SUPPLIED FROM MBV]
				MAIN-UDD FPC
111 (2)	RKA0072	FOOT(RUBBER)	2	
112 (2)	RKA0072	FOOT(RUBBER)	2	NV-FJ610B-K/B-S/BL-S
				NV-FJ611B-K
B101(2)	XTW3+10TFZ	SCREW	4	NV-FJ610EG-K/ EGYK/B-K
				NV-FJ610ECMK/ EC-K/ECYK
				NV-FJ606EG-K/ EGYK/ECMK
				NV-FJ606EC-K
				NV-FJ603EPYK/ EL-K/EP-K
				NV-FJ604EG-K/ ECMK
				NV-FJ611B-K
B101(2)	XTW3+10TFC	SCREW	4	NV-FJ610EG-S/ EGYS/B-S
				NV-FJ610ECMS/ EC-S
				NV-FJ610ECYS/ BL-S
B102(2)	VHD0773	SCREW	1	
B103(2)	VHD1065	SCREW	3	
B104(2)	VHD0168	SCREW	2	
B105(2)	XTV26+8FR	SCREW	3	
B106(2)	XTV26+6FR	SCREW	1	

10.1.3. PACKING PARTS SECTION

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
201 (3)	VQT8539	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ENGLISH)		NV-FJ610EGYK/ EGYS
				NV-FJ610ECYK/ ECYS
				NV-FJ606EGYK
201 (3)	VQT8540	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(GERMAN)		NV-FJ610EG-K/ EG-S/EGYK
				NV-FJ610EGYS/ ECMK/ECMS
				NV-FJ606EG-K/ EGYK/ECMK
				NV-FJ604EG-K/ ECMK
201 (3)	VQT8541	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(FRENCH)		NV-FJ610EGYK/ EGYS/ECMK
				NV-FJ610ECMS/ EG-S/EG-K
				NV-FJ606EGYK/ ECMK
				NV-FJ604ECMK
201 (3)	VQT8542	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(SPANISH)		NV-FJ610EC-S/ EC-K
201 (3)	VQT8543	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ITALIAN)		NV-FJ610EGYK/ EGYS
				NV-FJ610EG-S/ EG-K
				NV-FJ606EGYK
201 (3)	VQT8544	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(DUTCH)		NV-FJ610ECMK/ ECMS
				NV-FJ610EG-S/ EG-K
				NV-FJ606ECMK/ EG-K
				NV-FJ604ECMK
201 (3)	VQT8545	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(SWEDISH)		NV-FJ610ECYK/ ECYS
				NV-FJ610ECMK/ ECMS
				NV-FJ606ECMK
201 (3)	VQT8546	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(DANISH)		NV-FJ610ECMK/ ECMS

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
				NV-FJ606ECMK
				NV-FJ604ECMK
201 (3)	VQT8547	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(FINNISH)		NV-FJ610EC-S/ EC-K
				NV-FJ606EC-K
201 (3)	VQT8548	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(PORTUGUESE)		NV-FJ610EC-K/ EC-S
201 (3)	VQT8549	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(GREEK)		NV-FJ610EG-S/ EG-K
201 (3)	VQT8550	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ENGLISH)		NV-FJ611B-K
201 (3)	VQT8552	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ENGLISH)		NV-FJ603EPYK
201 (3)	VQT8553	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(GERMAN)		NV-FJ603EL-K/ EP-K
201 (3)	VQT8554	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(FRENCH)		NV-FJ603EL-K/ EP-K
201 (3)	VQT8555	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(SPANISH)		NV-FJ603EP-K
201 (3)	VQT8556	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ITALIAN)		NV-FJ603EL-K
201 (3)	VQT8557	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(SWEDISH)		NV-FJ603EPYK
201 (3)	VQT8558	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(GREEK)		NV-FJ603EL-K
201 (3)	VQT8559	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(ENGLISH)		NV-FJ610B-K/B-S/BL-S
201 (3)	VQT8794	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(DUTCH)		NV-FJ603EL-K/ EP-K
201 (3)	VQT8795	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(DANISH)		NV-FJ603EP-K
201 (3)	VQT8796	OPERATING INSTRUCTIONS	1	⚠[SUPPLIED FROM MBV]
		(PORTUGUESE)		NV-FJ603EP-K

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
202 (3)	EUR571739	REMOTE CONTROLLER	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-K/ EG-S/EGYS
				NV-FJ610EGYK/ ECMK/ECMS
				NV-FJ610EC-K/ EC-S
				NV-FJ610ECYK/ ECYS
				NV-FJ606EG-K/ EGYK
				NV-FJ606ECMK/ EC-K
				NV-FJ604EG-K/ ECMK
202 (3)	EUR571744	REMOTE CONTROLLER	1	[SUPPLIED FROM MBV]
				NV-FJ610B-K/B-S/BL-S
202 (3)	EUR571745	REMOTE CONTROLLER	1	[SUPPLIED FROM MBV]
				NV-FJ603EL-K/ EP-K/EPYK
202 (3)	EUR571752	REMOTE CONTROLLER	1	[SUPPLIED FROM MBV]
				NV-FJ611B-K
203 (3)	VJA0728	RF COAXIAL CABLE	1	[SUPPLIED FROM MBV]
204 (3)	VJA1059	AC CORD	1	⚠NV-FJ610EG-K/EG-S/EGYS
				NV-FJ610EGYK/ ECMK/ECMS
				NV-FJ610EC-K/ EC-S
				NV-FJ610ECYK/ ECYS
				NV-FJ606EG-K/ EGYK
				NV-FJ606ECMK/ EC-K
				NV-FJ603EPYK/ EL-K/EP-K
				NV-FJ604EG-K/ ECMK
204 (3)	VJA0733	AC CORD	1	⚠NV-FJ610B-K/ B-S/BL-S
				NV-FJ611B-K
206 (3)	UR57EC679F	BATTERY COVER	1	[SUPPLIED FROM MBV]
207 (3)	UR57CV680C	DOOR PANEL	1	[SUPPLIED FROM MBV]
208 (3)	VLF1321	FERRITE CORE	1	NV-FJ610BL-S
210 (3)	VPK2246	ACCESSORIES PACKING	1	[SUPPLIED FROM MBV]
211 (3)	VPN5340	CUSHION (L)	1	[SUPPLIED FROM MBV]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
212 (3)	VPN5341	CUSHION (R)	1	[SUPPLIED FROM MBV]
213 (3)	VPG0C84	PACKING CASE	1	[SUPPLIED FROM MBV]
				NV-FJ611B-K
213 (3)	VPG0C83	PACKING CASE	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-K/ EGYK/B-K
				NV-FJ610ECMK/ EC-K/ECYK
213 (3)	VPG0C82	PACKING CASE	1	[SUPPLIED FROM MBV]
				NV-FJ610EG-S/ EGYS/B-S
				NV-FJ610ECMS/ EC-S
				NV-FJ610ECYS/ BL-S
213 (3)	VPG0C85	PACKING CASE	1	[SUPPLIED FROM MBV]
				NV-FJ606EG-K/ EGYK
				NV-FJ606ECMK/ EC-K
				NV-FJ603EPYK/ EL-K/EP-K
				NV-FJ604EG-K/ ECMK
		SERVICE FIXTURES & TOOLS		
	VFJ8125H3F	VHS ALIGNMENT TAPE (PAL)	1	
	VFK0335	RETAINING RING REMOVER	1	
		(3mm/4mm)		
	VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
	VFK0326	HEX WRENCH SET	1	
	VFK0132	BACK TENSION METER	1	
	VFK27	HEAD CLEANING STICK	1	
	VFK1024	MOLYTONE GREASE	1	
	VFK0330	FINE ADJUSTMENT GEAR DRIVER	1	
	VFK2744	16P EXTENSION CABLE	1	MAIN - POWER
	VFK1301	SILICONE GREASE	1	

10.2. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE : Components identified with the mark /!\ have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified.
All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf) , P=uuF.
4. The P.C.Board units marked width"▮"show below the main assembled parts.
5. The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description
■	VEP06D25A	MAIN C.B.A.
■	VEP06D25B	MAIN C.B.A.
■	VEP06D25C	MAIN C.B.A.
■	VEP06D25D	MAIN C.B.A.
■	VEP06D57A	MAIN C.B.A.

Ref. No.	Part No.	Part Name & Description
■	VEP06D57B	MAIN C.B.A.
■	VEP07A16A	DECODER PACK C.B.A.
■	VEP07A18A	NICAM DECODER PACK C.B.A.
■	VEP07A18B	NICAM DECODER PACK C.B.A.
■	VEP07A23A	TV DEMODULATOR PACK C.B.A
■	VEP07A23B	TV DEMODULATOR PACK C.B.A
■	VEP07A31C	TV DEMODULATOR PACK C.B.A

Ref. No.	Part No.	Part Name & Description
■	VEP01826T	POWER C.B.A.
■	----------	CYLINDER STATOR C.B.A.
■	----------	CAPSTAN DRIVE C.B.A.
TU7601	ENG47307G1	TUNER
TU7601	ENG47308G1	TUNER
TU7601	ENG47309G1	TUNER
TU7601	ENG47306G1	TUNER
F1101	XBA2C16TH15	FUSE
■	VEP06D25A	MAIN C.B.A.

Ref. No.	Part No.	Part Name & Description
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H181JCV	C.CAPACITOR CH 50V 180P
C0724	ECUX1H221KBV	C.CAPACITOR CH 50V 220P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U

Ref. No.	Part No.	Part Name & Description
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U

Ref. No.	Part No.	Part Name & Description
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U

Ref. No.	Part No.	Part Name & Description
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7301	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C7302,03	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7304	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C7305,06	ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U
C7307	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C7308	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7309,10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C7312,13	ECEA1CKA100	E.CAPACITOR 16V 10U
C7316	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7317	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7318	ECEA1CKA100	E.CAPACITOR 16V 10U
C7319	ECEA1CKA470	E.CAPACITOR 16V 47U
C7320	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P
C7321	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C7322	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7323	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U
C7326-28	ECUM1H152KBM	C.CAPACITOR CH 50V 1500P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U

Ref. No.	Part No.	Part Name & Description
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018,19	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE

Ref. No.	Part No.	Part Name & Description
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC
IC6001	M3777AVCEZ	IC
IC7301	TDA9873H	IC
IC7501	M35502AFP	IC
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR18JF	CHIP INDUCTOR
L0703	ELJNA2R2JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH

[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH
L6002	VLQ0599J2R2	COIL 2.2UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR

Ref. No.	Part No.	Part Name & Description
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0730	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K
R0740	ERJ3GEYG271	M.RESISTOR CH 1/16W 270
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K

Ref. No.	Part No.	Part Name & Description
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K

Ref. No.	Part No.	Part Name & Description
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220

Ref. No.	Part No.	Part Name & Description
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
R7304	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K
R7305,06	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K
R7307,08	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K
R7309	ERJ6GEYG221	M.RESISTOR CH 1/10W 220
R7311	ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K
R7312,13	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7314	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K
R7315	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
R7316	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K
R7317,18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0

Ref. No.	Part No.	Part Name & Description
R7319,20	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K

Ref. No.	Part No.	Part Name & Description
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7808	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC082P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER
TU7601	ENG47307G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR
VR7301	EVNCBAA00B14	V.RESISTOR
X0701	VLF1416	FILTER
X0704	VLF1493	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7301	VSX1086	CRYSTAL OSCILLATOR
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VMP4894	SUPPORT ANGLE
	VMP5897	CONNECTING ANGLE
■	VEP06D25B	MAIN C.B.A.
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U

Ref. No.	Part No.	Part Name & Description
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H820JCV	C.CAPACITOR CH 50V 82P
C0724	ECUX1H331KBV	C.CAPACITOR CH 50V 330P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U

Ref. No.	Part No.	Part Name & Description
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U

Ref. No.	Part No.	Part Name & Description
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U

Ref. No.	Part No.	Part Name & Description
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7302	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7303	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7304	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7305,06	ECUX1H330JCV	C.CAPACITOR CH 50V 33P
C7307	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7308	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C7311	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
C7312,13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7315	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7316	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7317	VCEA1CAW100	E.CAPACITOR 16V 10U
C7318	VCEA0JAW470	E.CAPACITOR 6.3V 47U
C7319,20	VCEA1CAW100	E.CAPACITOR 16V 10U
C7324,25	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7341,42	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U

Ref. No.	Part No.	Part Name & Description
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
FL7301	VLF0633	FILTER

Ref. No.	Part No.	Part Name & Description
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC
IC6001	M3777AVCEZ	IC
IC7301	TDA9874AH	IC
IC7302	PST7043	IC
IC7501	M35502AFP	IC
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301-03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR22JF	CHIP INDUCTOR
L0703	ELJNA1R8JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH

[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description
L6002	VLQ0599J2R2	COIL 2.2UH
L7302	VLQ0599J1R0	COIL 1UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7608	VLQ0599J1R0	COIL 1UH
L7609	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
LB7303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301P	VJR0777B007W	CONNECTOR (MALE) 7P
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR

Ref. No.	Part No.	Part Name & Description
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0701	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0740	ERJ3GEYG471	M.RESISTOR CH 1/16W 470
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K

Ref. No.	Part No.	Part Name & Description
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M

Ref. No.	Part No.	Part Name & Description
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390

Ref. No.	Part No.	Part Name & Description
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7305,06	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R7324	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7327	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K
R7328,29	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K

Ref. No.	Part No.	Part Name & Description
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K

Ref. No.	Part No.	Part Name & Description
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC083P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER
TU7601	ENG47308G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR
X0701	VLF1417	FILTER
X0704	VLF1495	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7302	VSX0953	CRYSTAL OSCILLATOR
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VSC4752	SHIELD CASE (MAIN)
	VMP5897	CONNECTING ANGLE
■	VEP06D25C	MAIN C.B.A.
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H820JCV	C.CAPACITOR CH 50V 82P
C0724	ECUX1H331KBV	C.CAPACITOR CH 50V 330P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U

Ref. No.	Part No.	Part Name & Description
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0

Ref. No.	Part No.	Part Name & Description
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P

Ref. No.	Part No.	Part Name & Description
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U

Ref. No.	Part No.	Part Name & Description
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7302	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7303	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7304	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7305,06	ECUX1H330JCV	C.CAPACITOR CH 50V 33P
C7307	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7308	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C7311	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
C7312,13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7315	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7316	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7317	VCEA1CAW100	E.CAPACITOR 16V 10U
C7318	VCEA0JAW470	E.CAPACITOR 6.3V 47U
C7319,20	VCEA1CAW100	E.CAPACITOR 16V 10U
C7324,25	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7341,42	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P

Ref. No.	Part No.	Part Name & Description
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
FL7301	VLF0633	FILTER
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC

Ref. No.	Part No.	Part Name & Description
IC6001	M3777AVCEZ	IC
IC7301	TDA9874AH	IC
IC7302	PST7043	IC
IC7501	M35502AFP	IC
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301-03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR22JF	CHIP INDUCTOR
L0703	ELJNA1R8JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH
L6002	VLQ0599J2R2	COIL 2.2UH
L7302	VLQ0599J1R0	COIL 1UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7608	VLQ0599J1R0	COIL 1UH
L7609	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH

[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
LB7303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR

Ref. No.	Part No.	Part Name & Description
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0701	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ152	M.RESISTOR CH 1/16W 1.5K
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0740	ERJ3GEYG471	M.RESISTOR CH 1/16W 470
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K

Ref. No.	Part No.	Part Name & Description
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K

Ref. No.	Part No.	Part Name & Description
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330

Ref. No.	Part No.	Part Name & Description
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7305,06	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R7324	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7327	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K
R7328,29	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K

Ref. No.	Part No.	Part Name & Description
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC083P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER

Ref. No.	Part No.	Part Name & Description
TU7601	ENG47309G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR
X0701	VLF1417	FILTER
X0704	VLF1495	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7302	VSX0953	CRYSTAL OSCILLATOR
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VSC4752	SHIELD CASE (MAIN)
	VMP5897	CONNECTING ANGLE
■	VEP06D25D	MAIN C.B.A.
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H181JCV	C.CAPACITOR CH 50V 180P
C0724	ECUX1H221KBV	C.CAPACITOR CH 50V 220P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U

Ref. No.	Part No.	Part Name & Description
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U

Ref. No.	Part No.	Part Name & Description
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U

Ref. No.	Part No.	Part Name & Description
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P

Ref. No.	Part No.	Part Name & Description
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7302	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7303	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7304	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7305,06	ECUX1H330JCV	C.CAPACITOR CH 50V 33P
C7307	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7308	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C7311	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
C7312,13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7315	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7316	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7317	VCEA1CAW100	E.CAPACITOR 16V 10U
C7318	VCEA0JAW470	E.CAPACITOR 6.3V 47U
C7319,20	VCEA1CAW100	E.CAPACITOR 16V 10U
C7324,25	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7341,42	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P

Ref. No.	Part No.	Part Name & Description
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
FL7301	VLF0633	FILTER
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC
IC6001	M3777AVCEZ	IC
IC7301	TDA9874AH	IC
IC7302	PST7043	IC
IC7501	M35502AFP	IC

Ref. No.	Part No.	Part Name & Description
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301-03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR18JF	CHIP INDUCTOR
L0703	ELJNA2R2JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH
L6002	VLQ0599J2R2	COIL 2.2UH
L7302	VLQ0599J1R0	COIL 1UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7608	VLQ0599J1R0	COIL 1UH
L7609	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL

[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
LB7303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR

Ref. No.	Part No.	Part Name & Description
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0730	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K
R0740	ERJ3GEYG271	M.RESISTOR CH 1/16W 270
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100

Ref. No.	Part No.	Part Name & Description
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K

Ref. No.	Part No.	Part Name & Description
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75

Ref. No.	Part No.	Part Name & Description
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7305,06	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R7324	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7327	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K
R7328,29	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100

Ref. No.	Part No.	Part Name & Description
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7808	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC082P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER
TU7601	ENG47307G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR

Ref. No.	Part No.	Part Name & Description
X0701	VLF1416	FILTER
X0704	VLF1493	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7302	VSX0953	CRYSTAL OSCILLATOR
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VSC4752	SHIELD CASE (MAIN)
	VMP5897	CONNECTING ANGLE
■	VEP06D57A	MAIN C.B.A.
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H181JCV	C.CAPACITOR CH 50V 180P
C0724	ECUX1H221KBV	C.CAPACITOR CH 50V 220P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U

Ref. No.	Part No.	Part Name & Description
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U

Ref. No.	Part No.	Part Name & Description
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U

Ref. No.	Part No.	Part Name & Description
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7301	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C7302,03	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7304	ECUM1H681JCN	C.CAPACITOR CH 50V 680P

Ref. No.	Part No.	Part Name & Description
C7305,06	ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U
C7307	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C7308	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7309,10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C7312,13	ECEA1CKA100	E.CAPACITOR 16V 10U
C7316	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7317	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7318	ECEA1CKA100	E.CAPACITOR 16V 10U
C7319	ECEA1CKA470	E.CAPACITOR 16V 47U
C7320	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P
C7321	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C7322	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C7323	ECUM1H104KBN	C.CAPACITOR CH 50V 0.1U
C7326-28	ECUM1H152KBM	C.CAPACITOR CH 50V 1500P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U

Ref. No.	Part No.	Part Name & Description
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018,19	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC
IC6001	M3777AVCEZ	IC
IC7301	TDA9873H	IC
IC7501	M35502AFP	IC
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR

Ref. No.	Part No.	Part Name & Description
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR18JF	CHIP INDUCTOR
L0703	ELJNA2R2JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH
L6002	VLQ0599J2R2	COIL 2.2UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P

Ref. No.	Part No.	Part Name & Description
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K

Ref. No.	Part No.	Part Name & Description
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0730	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K
R0740	ERJ3GEYG271	M.RESISTOR CH 1/16W 270
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K

Ref. No.	Part No.	Part Name & Description
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K

Ref. No.	Part No.	Part Name & Description
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0

Ref. No.	Part No.	Part Name & Description
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
R7304	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K
R7305,06	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K
R7307,08	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K
R7309	ERJ6GEYG221	M.RESISTOR CH 1/10W 220
R7311	ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K
R7312,13	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7314	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K
R7315	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
R7316	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K
R7317,18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
R7319,20	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K

Ref. No.	Part No.	Part Name & Description
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7808	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC082P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER
TU7601	ENG47306G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR
VR7301	EVNCBAA00B14	V.RESISTOR
X0701	VLF1416	FILTER
X0704	VLF1493	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7301	VSX1086	CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VMP4894	SUPPORT ANGLE
	VMP4471	TV DEMODULATOR ANGLE
■	VEP06D57B	MAIN C.B.A.
C0701	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0702	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P
C0703	ECUM1A105KBN	C.CAPACITOR CH 10V 1U
C0704	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U
C0706	ECEA1HKA010	E.CAPACITOR 50V 1U
C0707	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C0708	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C0710	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C0711	ECEA1CKA220	E.CAPACITOR 16V 22U
C0712	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C0713	EEUFA1A391	E.CAPACITOR 10V 390U
C0714	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C0715	ECUX1H030CCV	C.CAPACITOR CH 50V 3P
C0716	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U
C0717	ECUM1H330GUV	C.CAPACITOR CH 50V 33P
C0719	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U
C0721	ECUX1H181JCV	C.CAPACITOR CH 50V 180P
C0724	ECUX1H221KBV	C.CAPACITOR CH 50V 220P
C1001	ECEA1AKG220	E.CAPACITOR 10V 22U
C1002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1003	ECEA1CGE470	E.CAPACITOR 16V 47U
C1004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1005	ECEA1AKA470	E.CAPACITOR 10V 47U
C1006,07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1008	ECA1CAK470X	E.CAPACITOR 16V 47U
C1009	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1010	ECEA1CGE470	E.CAPACITOR 16V 47U
C1011,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C1015	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C1016	ECA1CAK100X	E.CAPACITOR 16V 10U
C1017	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U
C1201	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C1202	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1203	ECEA1AKA220	E.CAPACITOR 10V 22U
C1204	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C1205	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C1206,07	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C1208	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U

Ref. No.	Part No.	Part Name & Description
C1501	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C2501	ECUM1C474ZFN	C.CAPACITOR CH 16V 0.47U
C2502	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2503	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2504	ECEA1EKA470	E.CAPACITOR 25V 47U
C2505	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C2506	ECEA0JKN220	E.CAPACITOR 6.3V 22U
C2507	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C2508	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C2509,10	ECUM1H563ZFN	C.CAPACITOR CH 50V 0.056U
C2511	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2512	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P
C2516	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C2518	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U
C2521	ECEA1EKA470	E.CAPACITOR 25V 47U
C2522	ECUM1E683KBN	C.CAPACITOR CH 25V 0.068U
C2523-25	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U
C2526	ECEA1VKN4R7	E.CAPACITOR 35V 4.7U
C2535,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3002,03	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C3004	ECEA1HKA010	E.CAPACITOR 50V 1U
C3005	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3006	ECUM1H060DCN	C.CAPACITOR CH 50V 6P
C3007	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3008	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3011	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3012,13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3015	ECEA1HKA010	E.CAPACITOR 50V 1U
C3016	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U
C3017	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3018	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3019	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3020	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3021	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C3024	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C3025	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3026	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3029	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C3030	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C3031	ECEA1HKAR47	E.CAPACITOR 50V 0.47U
C3033	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U
C3034	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C3035	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3036	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C3037	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3038	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C3039	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3040	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C3041	ECEA1CKA100	E.CAPACITOR 16V 10U
C3042	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3043	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3044	ECUM1H821JCN	C.CAPACITOR CH 50V 820P
C3045	ECUM1H221JCN	C.CAPACITOR CH 50V 220P

Ref. No.	Part No.	Part Name & Description
C3046	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3047	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C3048	ECUM1H560JCN	C.CAPACITOR CH 50V 56P
C3049	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C3050	ECUM1H680JCN	C.CAPACITOR CH 50V 68P
C3051	ECUM1H220JCN	C.CAPACITOR CH 50V 22P
C3052,53	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C3054,55	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C3502	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3504	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3505	ECEA0JKS470	E.CAPACITOR 6.3V 47U
C3506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C3507-10	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4001	ECEA1HKN010	E.CAPACITOR 50V 1U
C4002	ECQB1H822JF	P.CAPACITOR 50V 8200P
C4003	ECEA1HKA010	E.CAPACITOR 50V 1U
C4004	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C4005	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P
C4006	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4007	ECUM1H122JCN	C.CAPACITOR CH 50V 1200P
C4010,11	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U
C4012	ECEA1HKA010	E.CAPACITOR 50V 1U
C4013	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4014	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4015	ECEA0JKA220	E.CAPACITOR 6.3V 22U
C4016	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U
C4018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4019	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C4045	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4046-48	ECA1CAK100X	E.CAPACITOR 16V 10U
C4068	ECQB1H223JF	P.CAPACITOR 50V 0.022U
C4070	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C4072	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C4073	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U
C4074	ECUM1H152JCN	C.CAPACITOR CH 50V 1500P
C4075	ECEA1AKA220	E.CAPACITOR 10V 22U
C4501,02	ECEA1HKNR47	E.CAPACITOR 50V 0.47U
C4505-08	ECA1HAKR22X	E.CAPACITOR 50V 0.22U
C4511,12	ECEA1CKA100	E.CAPACITOR 16V 10U
C4513-16	ECA1CAK100X	E.CAPACITOR 16V 10U
C4517	ECEA1CKA100	E.CAPACITOR 16V 10U
C4518	ECEA1HKAR22	E.CAPACITOR 50V 0.22U
C4519	ECA1CAK100X	E.CAPACITOR 16V 10U
C4520	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4521	ECA1CAK470X	E.CAPACITOR 16V 47U
C4522	ECA1CAK100X	E.CAPACITOR 16V 10U
C4523	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C4524	ECA1CAK100X	E.CAPACITOR 16V 10U
C4525	ECA1CAK470X	E.CAPACITOR 16V 47U
C4526	ECQB1H562JF	P.CAPACITOR 50V 5600P
C4527	ECA1CAK100X	E.CAPACITOR 16V 10U
C4528	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4529	ECEA1CKS470	E.CAPACITOR 16V 47U
C4530	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U

Ref. No.	Part No.	Part Name & Description
C4531	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U
C4532	ECUM1H561JCN	C.CAPACITOR CH 50V 560P
C4533	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4534	ECEA0JKS331	E.CAPACITOR 6.3V 330U
C4535	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C4540	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C4901,02	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4903-09	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4912,13	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C4914	ECUM1H471KBN	C.CAPACITOR CH 50V 470P
C4917	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4921	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4922	ECEA1CKA470	E.CAPACITOR 16V 47U
C4923	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C4925	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4926	ECEA1CKA470	E.CAPACITOR 16V 47U
C4927	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4928	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4929	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4932	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4933	ECEA1CKA470	E.CAPACITOR 16V 47U
C4935	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4938	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P
C4939	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C4940	ECEA0JKA331	E.CAPACITOR 6.3V 330U
C4941	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C6001	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6002	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6003	ECUM1H200JCN	C.CAPACITOR CH 50V 20P
C6004	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C6005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C6006	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C6007,08	ECUM1H121JCN	C.CAPACITOR CH 50V 120P
C6009	ECUM1H681JCN	C.CAPACITOR CH 50V 680P
C6010	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C6011	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C6012	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6013	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6016	ECUM1H180JCN	C.CAPACITOR CH 50V 18P
C6017	ECEA1CKA100	E.CAPACITOR 16V 10U
C6018	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P
C6019	ECUM1H151JCN	C.CAPACITOR CH 50V 150P
C6022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7302	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7303	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7304	VCEA0JAW101	E.CAPACITOR 6.3V 100U
C7305,06	ECUX1H330JCV	C.CAPACITOR CH 50V 33P
C7307	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U
C7308	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U
C7311	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
C7312,13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7315	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7316	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7317	VCEA1CAW100	E.CAPACITOR 16V 10U

Ref. No.	Part No.	Part Name & Description
C7318	VCEA0JAW470	E.CAPACITOR 6.3V 47U
C7319,20	VCEA1CAW100	E.CAPACITOR 16V 10U
C7324,25	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U
C7341,42	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P
C7501	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7502	ECEA1HKA100	E.CAPACITOR 50V 10U
C7503	ECUM1H120JCN	C.CAPACITOR CH 50V 12P
C7504	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7505	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7506	VCE0073	SUPER CAPACITOR
C7507	ECEA0JKA221	E.CAPACITOR 6.3V 220U
C7508	ECUM1H683ZFN	C.CAPACITOR CH 50V 0.068U
C7509	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7601	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7602	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7603	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7605,06	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7607	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7608	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7610	ECEA1HKA100	E.CAPACITOR 50V 10U
C7611	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7612	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
C7613	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
C7615	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C7618	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U
C7619	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7620,21	ECA1HAK2R2X	E.CAPACITOR 50V 2.2U
C7623	ECUM1H330JCN	C.CAPACITOR CH 50V 33P
C7701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7705	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7708	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7709	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7711	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7712,13	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U
C7714	ECUM1H470JCN	C.CAPACITOR CH 50V 47P
C7715	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7716	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7717	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U
C7718	ECUM1H471JCN	C.CAPACITOR CH 50V 470P
C7720	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7721	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7722,23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7728	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U
C7729	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7730	ECEA0JKA101	E.CAPACITOR 6.3V 100U
C7731	ECUM1H820JCN	C.CAPACITOR CH 50V 82P
C7735,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7739	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7740	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7742	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U
C7749,50	ECUM1H270JCN	C.CAPACITOR CH 50V 27P
C7752	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7802	ECEA0JKA470	E.CAPACITOR 6.3V 47U
C7803	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U

Ref. No.	Part No.	Part Name & Description
C7804	ECUM1H221JCN	C.CAPACITOR CH 50V 220P
D0702	MA77	DIODE
D1003	1SS254	DIODE
D1004	MA4051N-H	DIODE
D1006	MA4051N-L	DIODE
D1009	MA4051N-M	DIODE
D1010	1SS254	DIODE
D1015,16	1SS254	DIODE
D1017	MA4120N-M	DIODE
D1018	1SS254	DIODE
D1501	SIR505S	DIODE
D2501,02	1SS254	DIODE
D3001	1SS254	DIODE
D4905,06	MA4075-M	DIODE
D6002,03	MA700	DIODE
D7501	MA4220N-M	DIODE
D7503	RB441P	DIODE
D7601	MA4300M	DIODE
D7603,04	1SS254	DIODE
DP7501	VSL0533-B	FIP
FL7301	VLF0633	FILTER
IC0701	LA75503	IC
IC1001	PQ20VB2E	IC
IC1201	UPC1093J	IC
IC1501,02	RPI354N	IC
IC2502	AN3811NK	IC
IC3001	TDA9735HV3	IC
IC3501	AN3368SB	IC
IC4001	NJM4558M	IC
IC4501	TDA9605H	IC
IC4901	LA73021M	IC
IC6001	M3777AVCEZ	IC
IC7301	TDA9874AH	IC
IC7302	PST7043	IC
IC7501	M35502AFP	IC
IC7502	S80743AL	IC
IC7503	PNA4611M02VT	IR RECEIVER UNIT
IC7504	RN5VD28AA	IC
IC7701	M3506SWVAX	IC
IC7703	M3062SVCEY	IC
IC7704	M24C16-WBN6	IC
IP1001,02	UNH000300A	IC PROTECTOR
IP1201,02	UNH000300A	IC PROTECTOR
JK4901	VJJ0377	RCA JACK
JK4903	VJS3634	21-PIN SCART JACK
K0703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K0707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0

[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description
K0709	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
K2501	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K2503	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K3003	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
K7301-03	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
K7603	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
L0701	ELJNAR18JF	CHIP INDUCTOR
L0703	ELJNA2R2JF	CHIP INDUCTOR
L2503	VLQ0599J680	COIL 68UH
L3001	VLQ0599J220	COIL 22UH
L3003	VLQ0599J470	COIL 47UH
L3004	VLQ0599J680	COIL 68UH
L3005,06	VLQ0599J101	COIL 100UH
L3007	VLQ0599J330	COIL 33UH
L3008	VLQ0599J470	COIL 47UH
L3009	VLQ0599J390	COIL 39UH
L3010	VLQ0599J560	COIL 56UH
L3501	VLQ0599J330	COIL 33UH
L4001	ELELN153JA	INDUCTOR 15000UH
L4007	VLQ0599J680	COIL 68UH
L4501	VLQ0599J100	COIL 10UH
L4901	VLQ0599JR22	COIL 0.22UH
L4902-04	VLQ0599J680	COIL 68UH
L6001	VLQ0599J101	COIL 100UH
L6002	VLQ0599J2R2	COIL 2.2UH
L7302	VLQ0599J1R0	COIL 1UH
L7601-04	VLQ0599J330	COIL 33UH
L7605	VLQ0599J100	COIL 10UH
L7608	VLQ0599J1R0	COIL 1UH
L7609	VLQ0599J100	COIL 10UH
L7701,02	VLQ0599J390	COIL 39UH
L7704	VLQ0599J390	COIL 39UH
L7706	VLQ0599J100	COIL 10UH
L7707	VLQ0599J220	COIL 22UH
L7801	VLQ0599J680	COIL 68UH
LB3001,02	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
LB3501-04	VLP0145	COIL
LB4901-04	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB4906,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
LB7301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
LB7303	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0
P1001	VJS3917A016W	CONNECTOR (FEMALE) 16P
P1501	VJS3837A002	CONNECTOR (FEMALE) 2P
P2501	VJP3835A012	CONNECTOR (MALE) 12P
P2502	VJS3537A009G	CONNECTOR (FEMALE) 9P
P3502	VJS3537A010G	CONNECTOR (FEMALE) 10P
P4002	VJS3837A002	CONNECTOR (FEMALE) 2P
P4003	VJS3537A006G	CONNECTOR (FEMALE) 6P
PK0701	VJR0826E009W	CONNECTOR (MALE) 9P
PK7301	VJR0777B007W	CONNECTOR (MALE) 7P

Ref. No.	Part No.	Part Name & Description
PK7302	VJR0777B006W	CONNECTOR (MALE) 6P
PP0701	VJP3589A004B	CONNECTOR (MALE) 4P
Q0702	2SD601A-S	TRANSISTOR
Q1001	2SD601A	TRANSISTOR
Q1002	2SD602A	TRANSISTOR
Q1003	2SD1996-S	TRANSISTOR
Q1004	2SB710A	TRANSISTOR
Q1005,06	2SD1996-S	TRANSISTOR
Q1007	2SD602A-R	TRANSISTOR
Q1009	2SD1996-S	TRANSISTOR
Q1010	2SD601A	TRANSISTOR
Q1201,02	2SD1996-S	TRANSISTOR
Q1501	PNB2301MBV	TRANSISTOR
Q1502	PNB2301MAV	TRANSISTOR
Q3003	2SB709A	TRANSISTOR
Q4001	2SD1149	TRANSISTOR
Q4002	2SD601A	TRANSISTOR
Q4006	2SB710A-R	TRANSISTOR
Q4007	2SD602A-R	TRANSISTOR
Q4901	2SB709A	TRANSISTOR
Q4903,04	2SD601A	TRANSISTOR
Q4905	2SD1328-S	TRANSISTOR
Q7601	2SD601A	TRANSISTOR
Q7604	2SD601A	TRANSISTOR
Q7605	2SB709A	TRANSISTOR
Q7606	2SD601A	TRANSISTOR
Q7701	2SD601A	TRANSISTOR
Q7702	2SB709A	TRANSISTOR
Q7703	2SD601A	TRANSISTOR
Q7709	2SB709A	TRANSISTOR
Q7802	2SD601A	TRANSISTOR
QR1001	MUN2112	TRANSISTOR-RESISTOR
QR1002	MUN2211	TRANSISTOR-RESISTOR
QR1003	MUN2212	TRANSISTOR-RESISTOR
QR3006,07	MUN2212	TRANSISTOR-RESISTOR
QR4001	UN2217	TRANSISTOR-RESISTOR
QR4002	MUN2113	TRANSISTOR-RESISTOR
QR4004	MUN2212	TRANSISTOR-RESISTOR
QR4006	MUN2111	TRANSISTOR-RESISTOR
QR4502-05	UN2215	TRANSISTOR
QR4506	MUN2113	TRANSISTOR-RESISTOR
QR4903	MUN2212	TRANSISTOR-RESISTOR
QR6002	MUN2211	TRANSISTOR-RESISTOR
QR6003,04	MUN2212	TRANSISTOR-RESISTOR
QR6005	MUN2211	TRANSISTOR-RESISTOR
QR6006	MUN2213	TRANSISTOR-RESISTOR
QR6007	MUN2113	TRANSISTOR-RESISTOR
R0705	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K
R0707	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K
R0708	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K

Ref. No.	Part No.	Part Name & Description
R0711	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180
R0713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0715	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K
R0717	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470
R0719	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K
R0725	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R0726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K
R0727	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R0729	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R0730	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K
R0740	ERJ3GEYG271	M.RESISTOR CH 1/16W 270
R0741	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R0742	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150
R0745	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M
R1001,02	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K
R1003,04	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K
R1006	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R1008	ERDS2TJ682	C.RESISTOR 1/4W 6.8K
R1009,10	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1011	ERJ6GMYG823	M.RESISTOR CH 1/10W 82K
R1012	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1013	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R1014	ERJ6GMYG163	M.RESISTOR CH 1/10W 16K
R1015	ERJ6GMYG123	M.RESISTOR CH 1/10W 12K
R1016,17	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K
R1018,19	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K
R1022	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1023	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R1024	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R1026	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R1027	ERDS2TJ123	C.RESISTOR 1/4W 12K
R1028	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R1029	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R1030	ERJ6GMYG622	M.RESISTOR CH 1/10W 6.2K
R1201,02	ERJ6GMYG272	M.RESISTOR CH 1/10W 2.7K
R1203	ERJ6GMYJ623	M.RESISTOR CH 1/10W 6.2K
R1204	ERDS2TJ102	C.RESISTOR 1/4W 1K
R1501	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R1502	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1503	ERDS2TJ181	C.RESISTOR 1/4W 180
R1504	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R1505	ERDS2TJ121	C.RESISTOR 1/4W 120
R2501	ERDS2TJ331	C.RESISTOR 1/4W 330
R2502	ERJ6GMYG433	M.RESISTOR CH 1/10W 43K
R2503	ERDS2TJ330	C.RESISTOR 1/4W 33
R2504	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R2505	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2506	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2507	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R2508	ERDS2TJ330	C.RESISTOR 1/4W 33
R2509	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R2510	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M
R2513	ERJ6GMYJ274	M.RESISTOR CH 1/10W 270

Ref. No.	Part No.	Part Name & Description
R2514	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R2517	ERDS1TJ1R2	C.RESISTOR 1/2W 1.2
R2518	ERDS1TJ1R5	C.RESISTOR 1/2W 1.5
R2519	ERDS2TJ330	C.RESISTOR 1/4W 33
R3001	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K
R3002	ERJ6GMYG301	M.RESISTOR CH 1/10W 300
R3004	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R3005	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3007	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3008	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K
R3009	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3010	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R3011,12	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R3020	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3021	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K
R3022	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R3023	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R3024	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3025	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K
R3026	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3027	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R3028	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R3029	ERJ6GMYG331	M.RESISTOR CH 1/10W 330
R3030	ERJ6GMYJ123	M.RESISTOR CH 1/10W 12K
R3031	ERJ6GMYJ225	M.RESISTOR CH 1/10W 2.2M
R3032	ERJ6GMYG391	M.RESISTOR CH 1/10W 390
R3033	ERJ6GMYG471	M.RESISTOR CH 1/10W 470
R3034	ERJ6GMYG561	M.RESISTOR CH 1/10W 560
R3035	ERJ6GMYG271	M.RESISTOR CH 1/10W 270
R3036	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R3040	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R3505	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4001	ERJ6GMYG334	M.RESISTOR CH 1/10W 330K
R4002	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K
R4003	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4004	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4005	ERJ6GMYG241	M.RESISTOR CH 1/10W 240
R4006	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4007	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4008	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4009	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R4010	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4011	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K
R4012	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R4014	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M
R4015	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4016	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R4019	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R4036	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4037	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4038,39	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4049	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4060	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R4061	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K

Ref. No.	Part No.	Part Name & Description
R4062	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R4063	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4067	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R4068	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R4069,70	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R4071	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4072	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R4073	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4503-06	ERJ6GMYJ753	M.RESISTOR CH 1/10W 75K
R4509	ERJ6GMYK335	M.RESISTOR CH 1/10W 3.3M
R4510	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4512	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4514	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4516,17	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R4518,19	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4520	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4521	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4522	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4523	ERJ6RBD393	M.RESISTOR CH 1/10W 39K
R4524	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R4525	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R4526	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4527	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4528	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R4529,30	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390
R4539	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4901,02	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4905	ERDS2TJ471	C.RESISTOR 1/4W 470
R4907,08	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4911	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R4912	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R4913	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R4915	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R4916	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R4921	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4923	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330
R4924,25	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4926,27	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R4928,29	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75
R4931	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R4933	ERJ6GMYJ911	M.RESISTOR CH 1/10W 910
R4934	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6001	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R6002,03	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6005	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6006	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6007	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6008	ERJ6GMYJ224	M.RESISTOR CH 1/10W 220K
R6010	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K
R6011	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6012,13	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R6014	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R6015	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R6016	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K

Ref. No.	Part No.	Part Name & Description
R6017	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K
R6018	ERDS2TJ221	C.RESISTOR 1/4W 220
R6020	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6022	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R6023-30	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220
R6031	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6032	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R6033	ERJ6GMYJ273	M.RESISTOR CH 1/10W 27K
R6036	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R6038	ERJ6GMYJ433	M.RESISTOR CH 1/10W 43K
R6039	ERJ6GMYJ393	M.RESISTOR CH 1/10W 39K
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7305,06	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100
R7316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K
R7324	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0
R7327	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K
R7328,29	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220
R7501	ERDS2TJ150	C.RESISTOR 1/4W 15
R7502	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7503,04	ERJ6GMYJ202	M.RESISTOR CH 1/10W 2K
R7505	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7506-08	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7509	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7510	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7511	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7512,13	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7514	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K
R7515	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K
R7516	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7517	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7520,21	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K
R7522	ERJ6GMYJ181	M.RESISTOR CH 1/10W 180
R7523-26	ERJ6GMYJ303	M.RESISTOR CH 1/10W 30K
R7538	ERJ6GMYJ432	M.RESISTOR CH 1/10W 4.3K
R7549	ERDS2TJ150	C.RESISTOR 1/4W 15
R7601,02	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7603	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7606,07	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7608,09	ERDS2TJ331	C.RESISTOR 1/4W 330
R7610	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7612	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7613	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150
R7614	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560
R7615	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K
R7620	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7621	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K
R7622,23	ERJ6GMYJ154	M.RESISTOR CH 1/10W 150K
R7704	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7705	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7707	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470
R7708-10	ERJ6GMYJ511	M.RESISTOR CH 1/10W 510
R7711	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7712	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K

Ref. No.	Part No.	Part Name & Description
R7713	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K
R7714	ERJ6GMYG153	M.RESISTOR CH 1/10W 15K
R7715	ERJ6GMYG152	M.RESISTOR CH 1/10W 1.5K
R7716	ERJ6GMYG562	M.RESISTOR CH 1/10W 5.6K
R7729	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7730	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K
R7740	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7741-44	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7746	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7751,52	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7753	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K
R7754-57	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7759	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K
R7760	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7761	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7765-67	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7768	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7769	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7770	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7771-78	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7784,85	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
R7792-99	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100
R7802,03	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0
R7804,05	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7807	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K
R7808	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K
R7809	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K
S1501	VSS0520	MODE SELECT SWITCH
S7501	VES0834	S-TAB SWITCH
S7502-06	EVQ11L07B	SWITCH
T0701	EQV5EC082P	TRANSFORMER
T4001	EQQ7QF024P	TRANSFORMER
TU7601	ENG47306G1	TUNER
VR0701	EVNCBAA00B14	V.RESISTOR
X0701	VLF1416	FILTER
X0704	VLF1493	FILTER
X3001	VSX0162	CRYSTAL OSCILLATOR
X6001	VSX0830	CRYSTAL OSCILLATOR
X6002	VSX0660	CRYSTAL OSCILLATOR
X7302	VSX0953	CRYSTAL OSCILLATOR
X7701	VSX1043	CRYSTAL OSCILLATOR
		MISCELLANEOUS
	VSC4999	SHIELD CASE (MIDDLE)
	VSC4998	HA ANGLE
	VXQ0648	FIP HOLDER
	VSC4752	SHIELD CASE (MAIN)

Ref. No.	Part No.	Part Name & Description
	VMP4471	TV DEMODULATOR ANGLE
■	VEP01826T	POWER C.B.A.
C1101	VCK0286E102	CERAMIC CAPACITOR
C1102	ECQV1H104JM	P.CAPACITOR 50V 0.1U
C1103,04	VCK0286E102	CERAMIC CAPACITOR
C1106	ECQE6104KF	P.CAPACITOR 630V 0.1U
C1108	ECCD3A470KGE	C.CAPACITOR 1KV 47P
C1109	ECKD2H103PU	C.CAPACITOR 500V 0.01U
C1110	ECEA0JGE331	E.CAPACITOR 6.3V 330U
C1111	ECKF1H102KB	C.CAPACITOR 50V 1000P
C1112	ECQB1H822JF	P.CAPACITOR 50V 8200P
C1114	ECA1VGE470X	E.CAPACITOR 35V 47U
C1116	ECKD2H101KB	C.CAPACITOR 500V 100P
C1118,19	ECQU2A104MVA	P.CAPACITOR 250V 0.1U
C1120	ECEC2GG330	E.CAPACITOR 400V 33U
C1131	EEUFA1E681	E.CAPASITOR 25V 680U
C1132	EEUFA1E331L	E.CAPASITOR 25V 330U
C1133	ECKD2H221KB	C.CAPACITOR 500V 220P
C1134	EEUFA1A222E	E.CAPACITOR 10V 2200U
C1135	ECEA1AGE331	E.CAPACITOR 10V 330U
C1136	ECKD2H221KB	C.CAPACITOR 500V 220P
C1137	ECEA1HGE470	E.CAPACITOR 50V 47U
C1138	ECKF1H103ZF	C.CAPACITOR 50V 0.01U
C1139	ECKD2H101KB	C.CAPACITOR 500V 100P
C1140	ECEA1HGE101	E.CAPACITOR 50V 100U
C1141	ECKF1H103ZF	C.CAPACITOR 50V 0.01U
C1142	ECKD2H221KB	C.CAPACITOR 500V 220P
C1143	ECEA1AFZ331	E.CAPACITOR 10V 330U
C1144,45	ECQB1H103JF	P.CAPACITOR 50V 0.01U
D1102	S1WBA80	DIODE
D1103	AP01C	DIODE
D1104	MA185	DIODE
D1105	MA700	DIODE
D1106	MA4220-H	DIODE
D1107	1SS254	DIODE
D1109,10	ERA15-08	DIODE
D1114	RK36	DIODE
D1118	RD100E	ZENER DIODE
D1121	RL2ZP	DIODE
D1123,24	ERA22-04	DIODE
D1125	11EQS06	DIODE
D1130	MA7300B	DIODE
F1101	XBA2C16TH15	FUSE
IC1101	STRM6559LF	IC

Ref. No.	Part No.	Part Name & Description
IC1102	UPC1093J	IC
IP1101	VSF0015A10	FUSE
L1107	ELF15N005A	LINE FILTER
L1108	ELF17N004A	LINE FILTER
L1121,22	VLQ0655K220	COIL 22UH
L1123,24	ELESE101KA	COIL 100UH
LB1105	VLP0056	FERRITE BEAD
P1101	VJS3306	AC INLET
P1103	VJP3917A016G	CONNECTOR (MALE) 16P
Q1111	CNX82A5387	PHOTO COUPLER
R1101	ERDS2TJ561	C.RESISTOR 1/4W 560
R1102	ERG1SJ393	M.RESISTOR 1W 39K
R1105	ERDS1TJ395	C.RESISTOR 1/2W 3.9M
R1106	ERDS1TJ475	C.RESISTOR 1/2W 4.7M
R1107	ERDS2FJ154	C.RESISTOR 1/4W 150K
R1108	ERDS2FJ101	C.RESISTOR 1/4W 100
R1109	ERDS2FJ152	C.RESISTOR 1/4W 1.5K
R1110	ERDS2FJ103	C.RESISTOR 1/4W 10K
R1111	ERDS2FJ151	C.RESISTOR 1/4W 150
R1112	ERDS2FJ221	C.RESISTOR 1/4W 220
R1113	ERX1SJ1R0	M.RESISTOR 1W 1
R1114	ERDS2FJ332	C.RESISTOR 1/4W 3.3K
R1115	ERDS2FJ330	C.RESISTOR 1/4W 33
R1116	ERDS2TJ272	C.RESISTOR 1/4W 2.7K
R1119	ERDS2TJ103	C.RESISTOR 1/4W 10K
R1120	ER0S2CKG2401	M.RESISTOR 1/4W 2.4K
R1121	ER0S2CKG2701	M.RESISTOR 1/4W 2.7K
R1122	ERC12AGM334	S.RESISTOR 1/2W 330K
R1125	ERDS2TJ271	C.RESISTOR 1/4W 270
S7511-15	EVQ11L07B	SWITCH
T1101	ETE28K127AZ	SWITCHING TRANSFORMER
		MISCELLANEOUS
	VMP5133	INLET ANGLE
	VHD0418	SCREW
	TP00351-51	FUSE HOLDER
■	VEP000F8A	CYLINDER STATOR C.B.A.
		MISCELLANEOUS
	HW-300A-DF	HALL IC

Ref. No.	Part No.	Part Name & Description
	VJS3537B009G	CONNECTOR (FEMALE) 9P

Ⓐ :TO AUDIO SECTION
Ⓢ :TO SYSTEM CONTROL & SERVO / TIMER SECTION
Ⓘ :TO INPUT/OUTPUT & TUNER SECTION
Ⓞ :TO OSD SECTION

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
⬅ VIDEO MAIN SIGNAL PATH IN REC MODE
⇦ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
⬅ AUDIO MAIN SIGNAL PATH IN REC MODE

QR4004
UN2212
(BIAS Ⓗ: ON)

Q4007
2SD602A
(BIAS OSC)

Q4006
2SB710A
(BIAS POWER ON/OFF)

IC3501
AN3368SB

QR4001
UN2217
(MUTE)

QR4002
UN2213
(INV.)

QR4006
UN2111
(DA REC Ⓗ)

Q4002
2SD601A
(SWITCHING)

Q4001
2SD1149
(SWITCHING)

IC3001
TDA9735HV3

QR3007
UN2212
(LP Ⓗ: ON)

QR3006
UN2212
(V SYNC Ⓛ: ON)

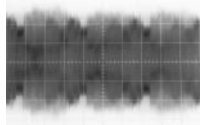
Q3003
2SB709A
(AMP)

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

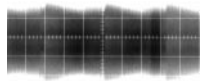
NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

VIDEO SECTION IN MAIN WAVEFORM CHART (SP MODE)

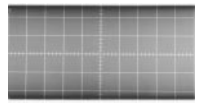
IC3001-7,8 PLAY
50mVp-p (0.2msec. div)



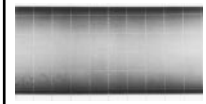
IC3001-15 PLAY
250mVp-p (20µsec. div)



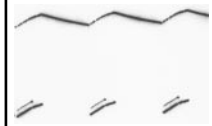
IC3001-20 PLAY
150mVp-p (2msec. div)



IC3001-30 PLAY/REC
300mVp-p (2msec. div)



IC3001-31 PLAY/REC
300mVp-p (2msec. div)

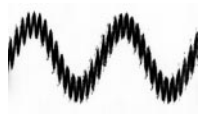


IC3001-37 PLAY
5.5Vp-p (5msec. div)

IC3001-38 PLAY
5.5Vp-p (5msec. div)

IC3001-42,43 PLAY
0.4Vp-p (5msec. div)

IC3001-52 PLAY
2.5Vp-p (20µsec. div)

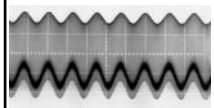


IC3001-78 PLAY
0.5Vp-p (0.2msec. div)

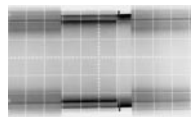
IC3501-1 PLAY
7.0Vp-p (10msec. div)

IC3501-7,9 PLAY
10mVp-p (5msec. div)

IC3501-30 PLAY
300mVp-p (20µsec. div)

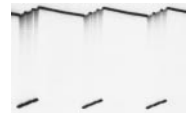


IC3001-2 REC
2.25Vp-p (2msec. div)

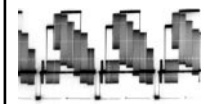


IC3001-14 REC
400mVp-p (1msec. div)

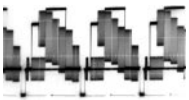
IC3001-20 REC
5.5Vp-p (5msec. div)



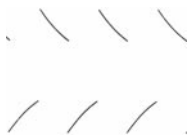
IC3001-38 REC
5.5Vp-p (5msec. div)



IC3001-48 REC
1.0Vp-p (20µsec. div)

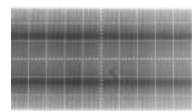


IC3001-52 REC
2.0Vp-p (20µsec. div)



IC3501-1 REC
7.0Vp-p (10msec. div)

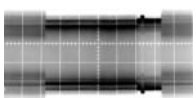
IC3501-7 REC
170mVp-p (2msec. div)



IC3501-9 REC
40.0mVp-p (0.5msec. div)

IC3501-10 REC
0.1Vp-p (2msec. div)

IC3501-27 REC
5mVp-p (10msec. div)



IC3501-31 REC
250mVp-p (2msec. div)

For your safety please read the following text carefully

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS 1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstance should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚.

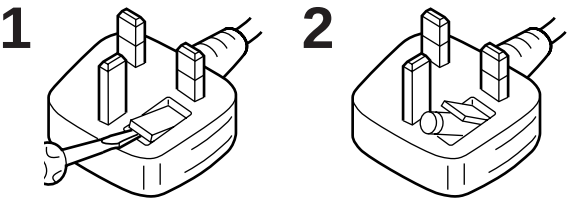
How to replace the Fuse

- There are two types of the AC Mains Lead assembly: **A** and **B** as shown below.

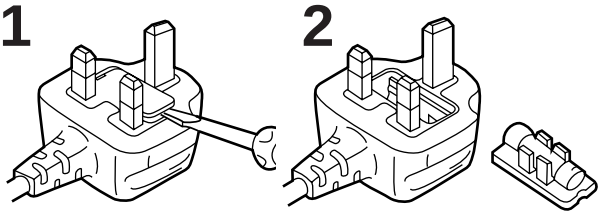
1 Open the fuse compartment with a screwdriver.

2 Replace the fuse and fuse cover.

TYPE A



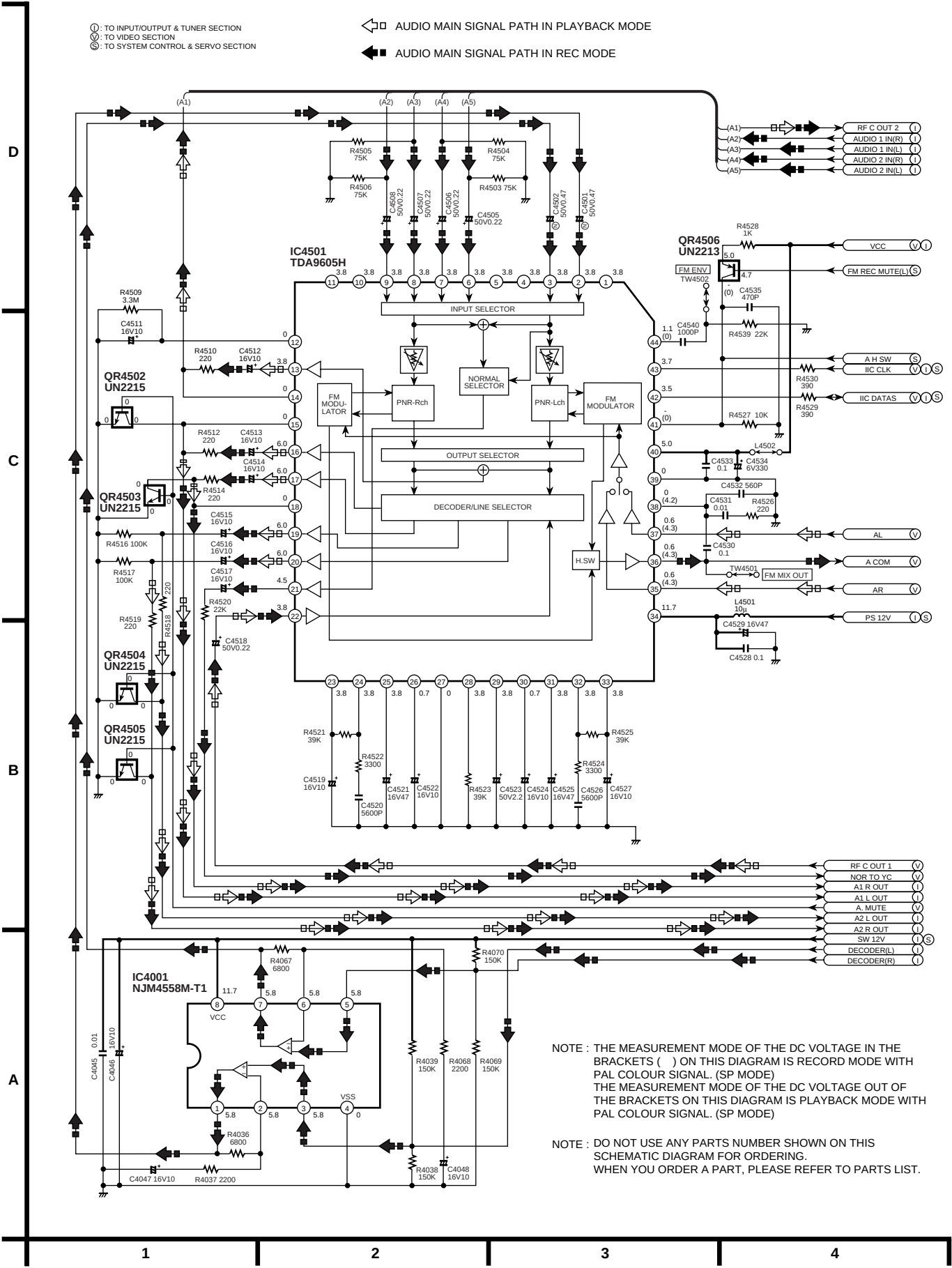
TYPE B



Ⓘ: TO INPUT/OUTPUT & TUNER SECTION
Ⓥ: TO VIDEO SECTION
Ⓢ: TO SYSTEM CONTROL & SERVO SECTION

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

AUDIO MAIN SIGNAL PATH IN REC MODE

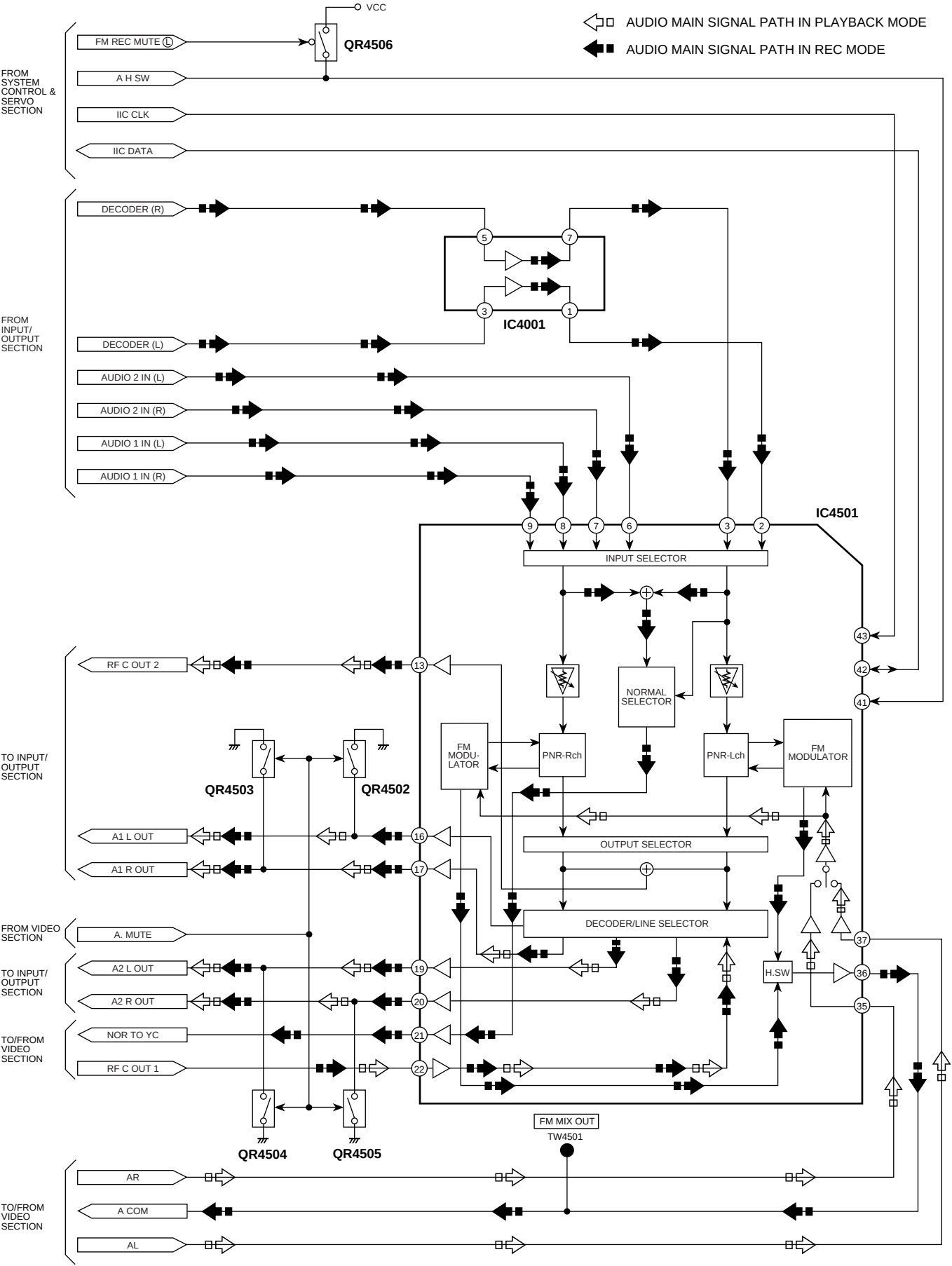


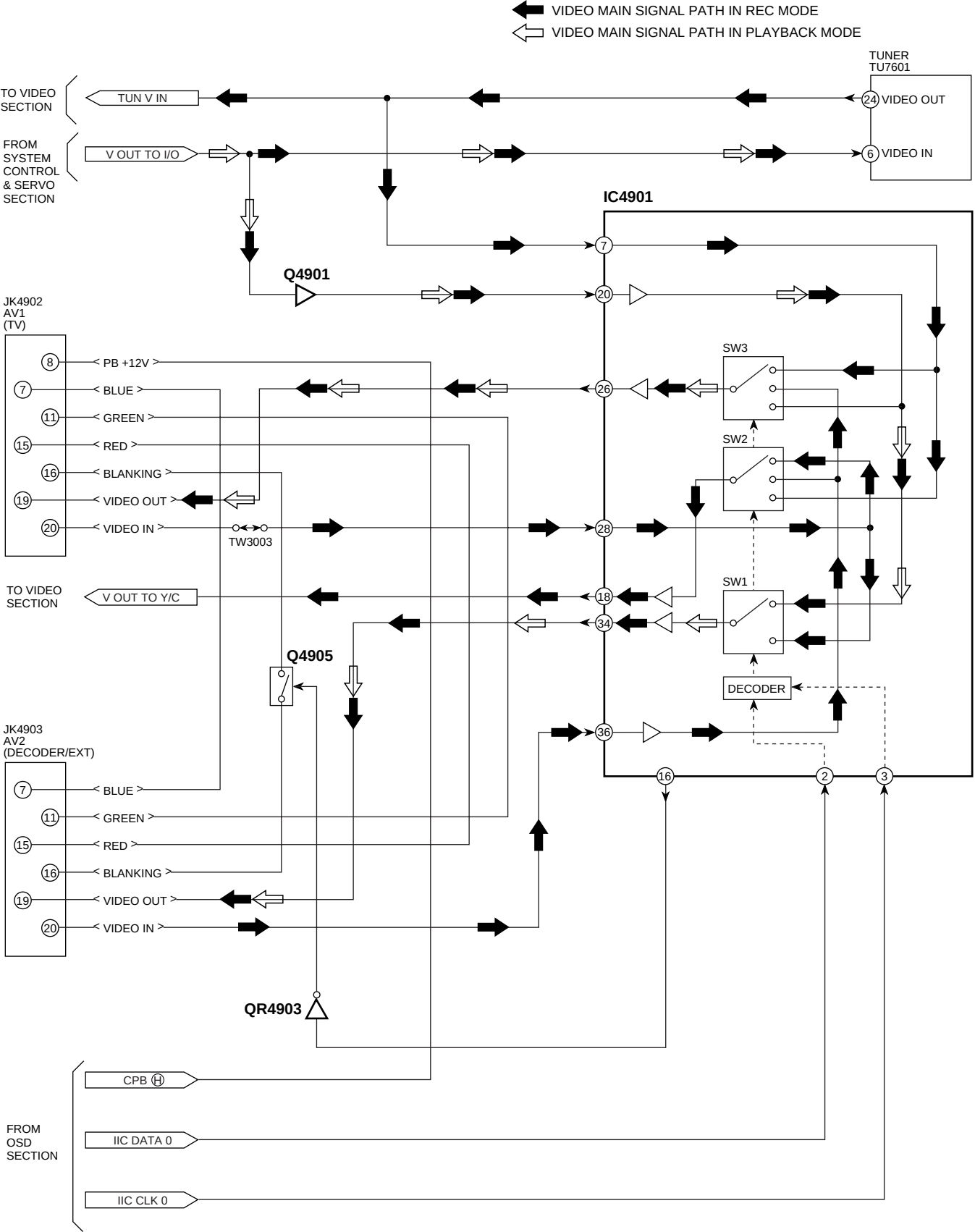
NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

D C B A

1 2 3 4


AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
VCC
QR4506
FM REC MUTE (L)
A H SW
IIC CLK
IIC DATA
FROM SYSTEM CONTROL & SERVO SECTION
DECODER (R)
DECODER (L)
AUDIO 2 IN (L)
AUDIO 2 IN (R)
AUDIO 1 IN (L)
AUDIO 1 IN (R)
IC4001
FROM INPUT/ OUTPUT SECTION
IC4501
INPUT SELECTOR
NORMAL SELECTOR
PNR-Rch
PNR-Lch
FM MODU-LATOR
FM MODULATOR
OUTPUT SELECTOR
DECODER/LINE SELECTOR
H.SW
RF C OUT 2
A1 L OUT
A1 R OUT
TO INPUT/ OUTPUT SECTION
QR4503
QR4502
FROM VIDEO SECTION
A. MUTE
A2 L OUT
A2 R OUT
TO INPUT/ OUTPUT SECTION
NOR TO YC
RF C OUT 1
TO/FROM VIDEO SECTION
QR4504
QR4505
FM MIX OUT
TW4501
AR
A COM
AL
TO/FROM VIDEO SECTION


VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
TUNER
TU7601
TO VIDEO SECTION
TUN V IN
24 VIDEO OUT
FROM SYSTEM CONTROL & SERVO SECTION
V OUT TO I/O
6 VIDEO IN
IC4901
Q4901
7
20
JK4902
AV1
(TV)
8 PB +12V
7 BLUE
11 GREEN
15 RED
16 BLANKING
19 VIDEO OUT
20 VIDEO IN
TW3003
26
28
SW3
SW2
SW1
TO VIDEO SECTION
V OUT TO Y/C
18
34
Q4905
DECODER
36
16
2
3
JK4903
AV2
(DECODER/EXT)
7 BLUE
11 GREEN
15 RED
16 BLANKING
19 VIDEO OUT
20 VIDEO IN
QR4903
CPB Ⓗ
FROM OSD SECTION
IIC DATA 0
IIC CLK 0

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
CAPSTAN SERVO PHASE LOOP
CAPSTAN SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP

DP7501
TIMER DISPLAY
1 2 44 45 5 12 14 23 33 39

FROM POWER
HE–
HE+

POWER C.B.A.
S7511 PLAY
S7512 STOP
S7513 REW
S7514 FF
S7515 SEARCH
S7503 REC
S7504 CH DO
S7506 CH UP
S7502 EJECT
P1103 P1001 1 1
P1103 P1001 2 2
P1103 P1001 5 5
P1103 P1001 3 3
P1103 P1001 4 4

IC7502(RESET)
3 2 1
REG 5V

IC7501 TIMER IC
11 FLD 24
17 FLD 18
18 FLD 17
20 FLD 16
36 FLD 0
6 AN 1
7 AN 0
5 AN 2
S DATA 1
S CLK 2
CS 3

IC7501-1,2 PLAY/REC 5.5Vp-p(10msec. div)
IC7501-11~18,21~32,36 PLAY/REC 40.0Vp-p(1msec. div)
IC7501-3 PLAY/REC 7.0Vp-p(10msec. div)

IC6001 SYSTEM CONTROL/SERVO IC
66 FLD DATA IN
65 FLD OUT
67 FLD CLK
64 FLD CS
78 P FAIL(L)
68 T TLK
69 T LSN
70 T CLK
71 IIC C
72 IIC D
15 ROTARY.SW
16 H.A.SW
17 ENVE SLECT
23 FM REC MUTE(L)
26 DA REC(H)
27 BIAS(H)
29 V SYNC(L)
11 CURRENT LIMIT
76 CAP.ET
92 P ON(L)
74 CAP R/F
63 LOADING(H)
62 UNLOADING(H)
90 CYL.PFG
77 CYL.ET.

IC6001-35 PLAY/REC 1.6Vp-p(1msec. div)
IC6001-36 PLAY/REC 3.0Vp-p(1msec. div)
IC6001-38 PLAY/REC 4.0Vp-p(1msec. div)
IC6001-39 PLAY/REC 6.0Vp-p(0.02μsec. div)
IC6001-68 PLAY/REC 5.0Vp-p(10msec. div)
IC6001-69 PLAY/REC 6.0Vp-p(5msec. div)
IC6001-70 PLAY/REC 5.0Vp-p(0.1msec. div)
IC6001-71 PLAY/REC 6.0Vp-p(5msec. div)
IC6001-72 PLAY/REC 6.0Vp-p(5msec. div)
IC6001-15,18,19 PLAY/REC 7.0Vp-p(10msec. div)
IC6001-50,52 PLAY 2.25Vp-p(20μsec. div)
IC6001-76 PLAY/REC 3.5Vp-p(5μsec. div)
IC6001-77 PLAY/REC 5.0Vp-p(5μsec. div)
IC6001-90 PLAY/REC 5Vp-p(10msec. div)

POS. SW2 32
POS. SW3 31
POS. SW1 33
CTL.HEAD(–) 94
CTL.HEAD(+) 95
FG AMP IN 87
IR 14
16MHz IN 38
16MHz OUT 39
32kHz IN 35
32kHz OUT 36
S.TAB(L) 81
T-PHOTO 8
S-PHOTO 7
T-REEL PULSE 80
S-REEL PULSE 79
TRACKING ENVE 9
VIDEO H.SW 18
D REC(H) 21
ART.V/H/N 13
SHORT D(L) 83
A DEF(H) 1
LP(H) 2
AFC S 3
F ADJ 12
CAL(H) 20
AUDIO. H. SW 19
FM MUTE(H) 28
OSD FSC IN 48
CV IN 50
CV OUT 52
C SYNC 58

S1501 MODE SW 1 2 3 4
P4003 5
P4003 6
CTL HEAD
TW2015
5V
P2501 P0201 4 4
CAPSTAN FG HEAD
IC7503(IR Receiver)
1 2 3
N SW 5V
X6001
X6002
+5V
N SW 5V
S7501 SAFETY TAB SW
REG SV
+5V
IC1501 T-REEL SENSOR
IC1502 S-REEL SENSOR
Q1502 SUPPLY PHOTO SENSOR
D1501 SENSOR LED
Q1501 TAKE UP PHOTO SENSOR
IC6001-79,80 PLAY/REC 8.0Vp-p(0.2sec. div)
TL6012
TL6013
TW2001 H SW
TRACKING ENVE
H. SW
D REC(H)
ART V/H/N
TO/FROM VIDEO
IC6001-48 PLAY/REC 200mVp-p(5msec. div)
QR6004
QR6005 (SWITCHING)
QR6003
QR6006
QR6007 (FM MUTE)
25Hz
A H SW
TO OSD
TO AUDIO
N SW 5V
MUTE(H)
TO VIDEO
FSC
VIDEO FROM Y/C
V OUT TO I/O
C SYNC
FROM OSD, VIDEO
TO I/O
FROM VIDEO
Q7802 (AMP)
SHORT DET(L)
A DEF(H)
LP(H)
AFC S
F ADJ
+5V
TO I/O
TO VIDEO
FROM I/O
TO VIDEO

TO/FROM OSD
P FAIL(L)
SYS TLK
SYS LSN
SYS CLK
TO/FROM I/O, AUDIO, VIDEO
IIC CLKS
IIC DATAS
TO/FROM VIDEO
ROTARY SW
H.A.SW
ENV SEL
TO AUDIO
FM REC MUTE(L)
TO VIDEO
DA REC(H)
BIAS(H)
V SYNC(L)

IC0201 CAPSTAN MOTOR DRIVE
CAPSTAN MOTOR L0201
TL0201
Q0203
Q0201
Q0202
UNREG 14V
H3
H1
H2
MOTOR DRIVE
DIFFERENTIAL AMPRIFIER
TORQUE CONTROL
TL AMP
EC AMP
POSITION SIGNAL PROCESS
TORQUE DIRECTION
CONTROL LOGIC
CAP TL
TL2503
TL2502
P ON
S7505
N SW 5V
5V
UNREG 14V
LOADING MOTOR
P0201 P2501 1
P0201 P2501 2
P0201 P2501 3
P1501 P2501 P0201 1 9 9
P1501 P2501 P0201 2 8 8
P0201 P2501 12
P0201 P2501 11

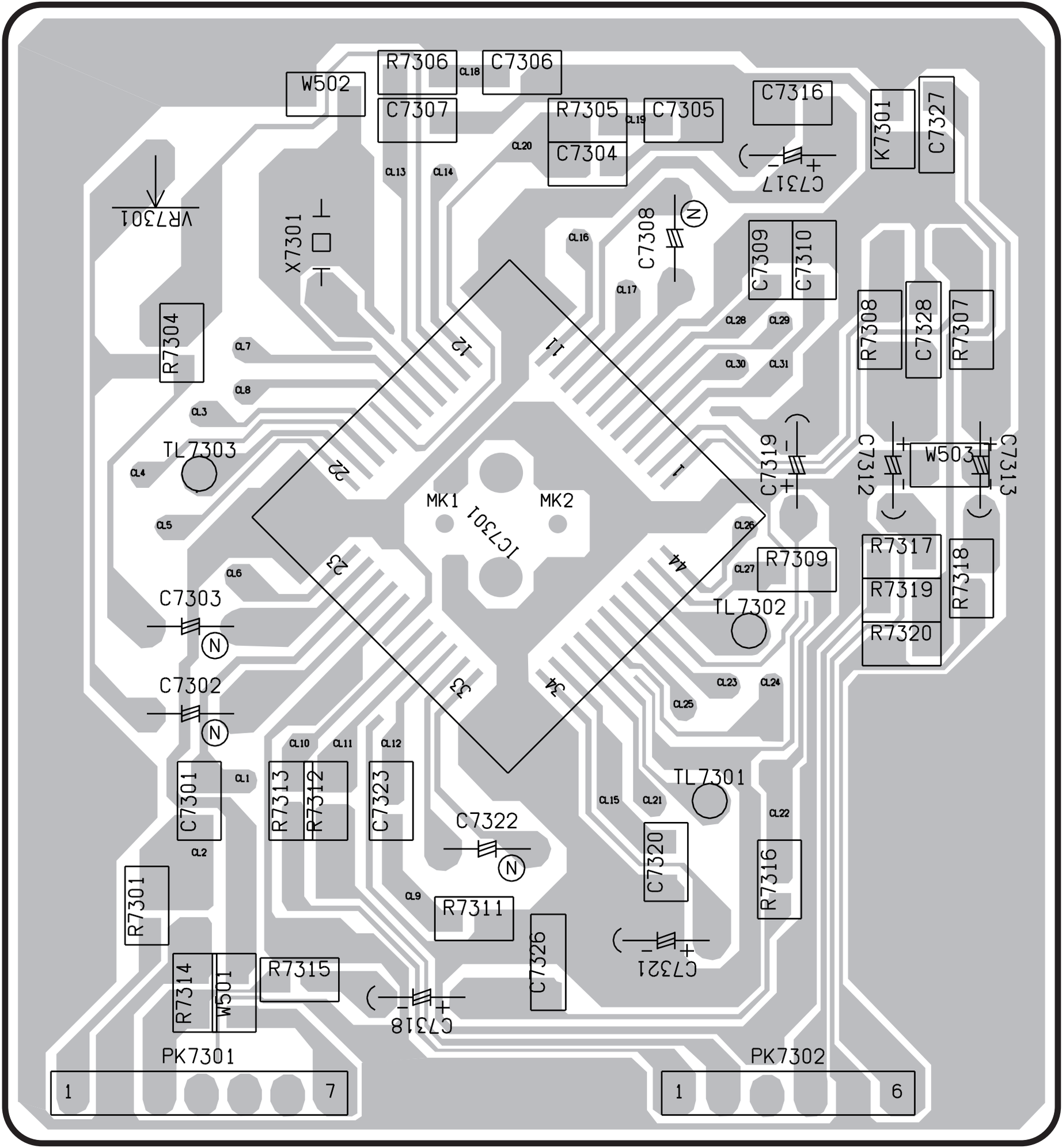
INPUT		OUTPUT		MODE
PIN 15	PIN 16	PIN 19	PIN 21	
H	L	H	L	FORWARD
L	H	L	H	REWIND
H	H	L	L	BRAKE
L	L	OPEN	OPEN	STOP

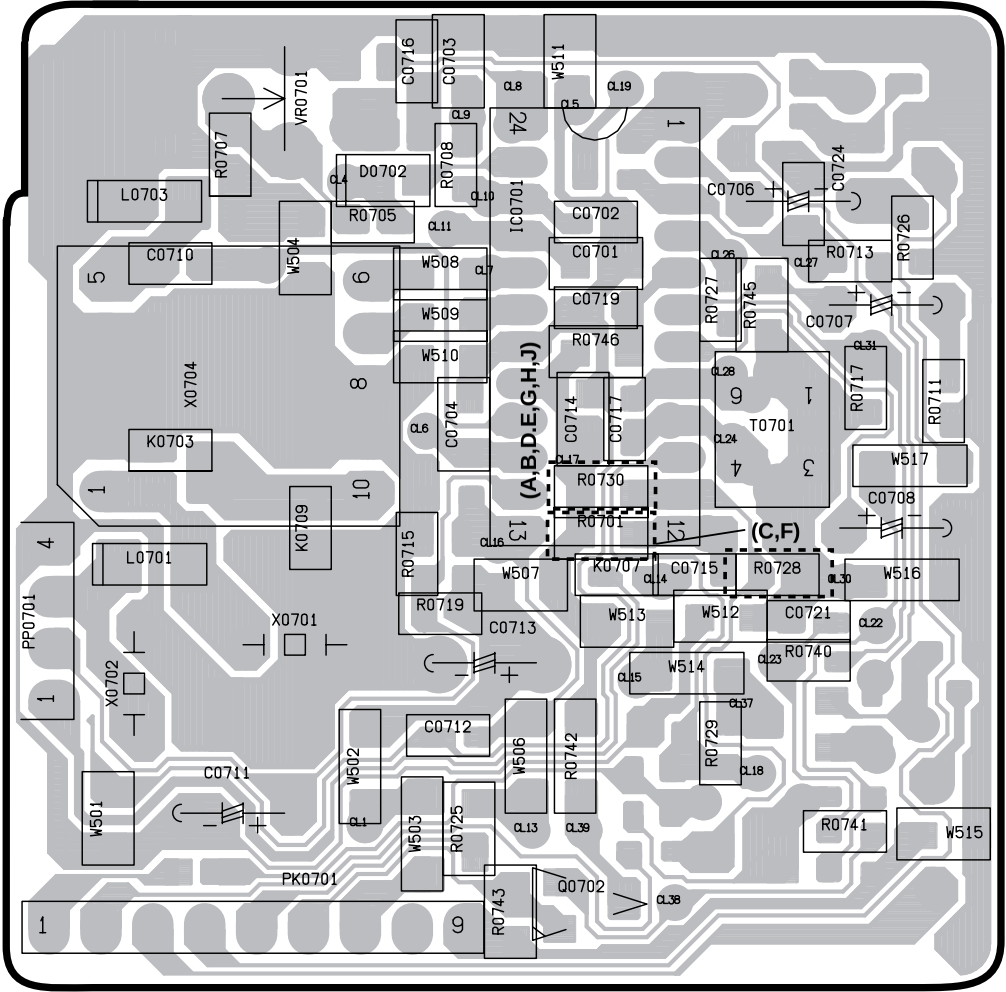
CYLINDER MOTOR UNIT
MAIN COIL 1
MAIN COIL 2
MAIN COIL 3
HALL IC
P2502
M1 1
HE- 2
VM 3
VM 4
GND 5
HE+ 6
M3 7
HE+ 8
M2 9

IC2502 CYLINDER MOTOR DRIVE
M1
M2
M3
MOTOR DRIVE
DIFFERENTIAL AMPLIFIER
PG/FG
TORQUE CONTROL
HE-
HE+
SCHMIT
IC2502-1,2 PLAY/REC 10.0Vp-p (2msec. div)

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

IC3001
IC3501
Q3003
TW3030
X3001 4.433619MHz
VCC
DEM OUT
SUB LPF
FM DEM
DOUBLE LIM
PEAKING
ENV DET
B A
A B
SOPB
VHS
VXO
W/DC ADJ
HTRAP
LTRAP &HPF
PB REC
RF AGC
RF IN
+2.5dB
FAMI PB REC
CLP3
LPF
DEV ADJ
MOD
DTE
NLE NLDE
(Y3) PB REC
DELAY
(Y1) MAIN LPF
FAMI/ VV EE
EE/FAMI VV (Y2)
CLP1
EE FAMI VV
Y/C MIXER
SUB CLP
(VIDEO OUT SELECT)
ARTIF SYNC
NOISE CL IP
V OUT
V IN
AGC
SEC SWICH
AGC DET
SYNC SEP
CPS
FAMI VV
SP= -3dB
NOR- COR
CK-SW S-PILOT -ERASE
YNR MIXER
DOP NORM
DET
NC1
PICT
CLP2
YNR AGC
NC2
YNR PROC
2fsc
1H-DL
LPF
S1 EE VV/FAMI SECVV
MAIN BPF
SUB BPF
VV/ FAMI EE
BURST U/D
BM-B
NAP
FAMI
2fsc
2H-DL 1H-DL
OH-DL
OH-DL
LPFA
DELAY
FROM ROT1
BM-A
VV LP
VV-SP/FAMI
EE
-6dB NTSC- EP/SP
PEC FPC
ROTAPC :4
APC CKDET
CK
SP/LP/EP
12C TINT
6.6 TRAP
2.2 TRAP
ROT 2 :4
C
FAMI EE VV
ACC
630 BPF
REC Y ADJ
ACC DET
CACC DET
CACC
REC-C ADJ
CHROMA GAIN
CHROMA REC
CK-ON
REC OUT
RF-Q ADJ
SCL I2C BUS SDA
QR3007
QR3006
K3003
P3502 3
P3502 2
P3502 1
P3502 6
P3502 5
P3502 4
L
R
L'
R'
SP R(26μm)
LP L' (49μm)
A L (33μm)
A R (33μm)
SP L(26μm)
LP R'(49μm)
H SW
H A SW
ENV SEL
TRK ENVE
ART V/H/N
C SYNC
TO/FROM SYSTEM CONTROL & SERVO
V OUT TO Y/C
FROM INPUT/OUTPUT SECTION
VIDEO FROM YC
TO SYSTEM CONTROL & SERVO
VIDEO FROM YC
TO OSD SECTION
TUN V IN
FROM INPUT/OUTPUT SECTION
FSC
TO OSD SECTION
ROTARY SW
IIC CLK
IIC DATA
FSC
TO/FROM SYSTEM CONTROL & SERVO
LP H
V SYNC L
F ADJ


R7306
C7306
W502
C7307
R7305
C7305
C7316
C7304
K7301
C7327
C7317
VR7301
X7301
C7308
C7309
C7310
R7304
R7308
C7328
R7307
W503
C7312
C7313
C7319
TL7303
MK1
MK2
IC7301
R7309
R7317
R7319
R7320
R7318
TL7302
C7303
C7302
C7301
R7313
R7312
C7323
C7322
TL7301
C7320
R7316
R7301
R7311
C7326
C7321
R7314
W501
R7315
C7318
PK7301
PK7302
1
7
1
6

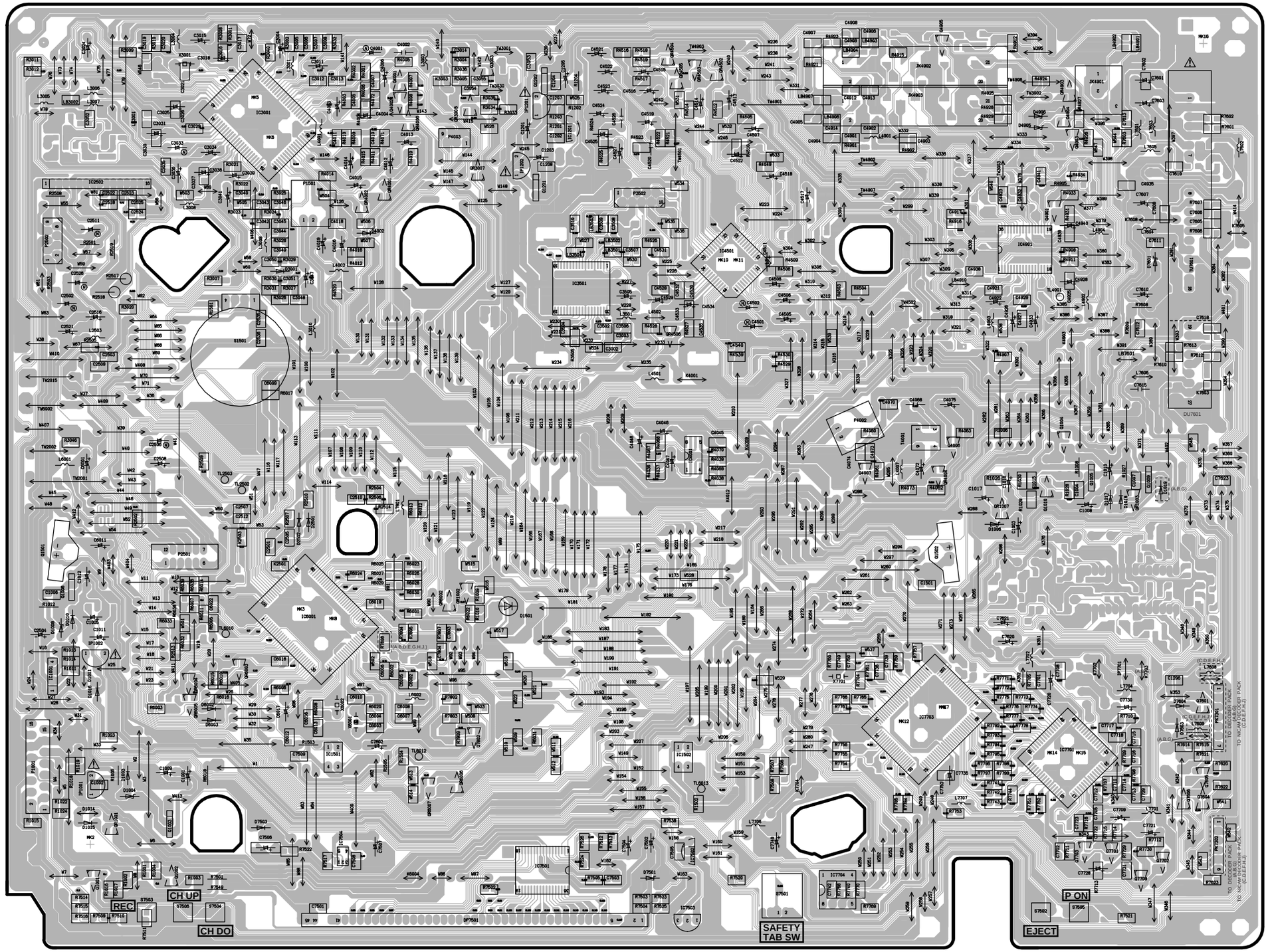

C0716
C0703
W511
VR0701
R0707
D0702
R0708
L0703
R0705
C0710
W504
W508
W509
W510
X0704
K0703
C0704
K0709
L0701
R0715
R0719
C0713
X0701
X0702
PP0701
W501
C0711
W502
C0712
W503
R0725
PK0701
W506
R0742
R0743
Q0702
C0702
C0701
C0719
R0746
C0714
C0717
R0730
R0701
(A,B,D,E,G,H,J)
(C,F)
K0707
C0715
R0728
W507
W513
W512
C0721
R0740
W514
R0729
C0706
C0724
R0726
R0713
C0707
R0727
R0745
T0701
R0717
R0711
W517
C0708
W516
R0741
W515

PART NO.	MODEL NO.	MARK
VEP06D25A	NV-FJ603EL-K	G
	NV-FJ604EG-K	A
	NV-FJ606EG-K	
	NV-FJ610EG-K	
	NV-FJ610EG-S	
VEP06D25B	NV-FJ611B-K	C
	NV-FJ610B-K	
	NV-FJ610B-S	
VEP06D25C	NV-FJ610BL-S	F
VEP06D25D	NV-FJ603EP-K	H
	NV-FJ604ECMK	D
	NV-FJ606EC-K	
	NV-FJ606ECMK	
	NV-FJ610EC-K	
	NV-FJ610EC-S	
	NV-FJ610ECMK	
	NV-FJ610ECMS	
VEP06D57A	NV-FJ606EGYK	B
	NV-FJ610EGYK	
	NV-FJ610EGYS	
VEP06D57B	NV-FJ603EPYK	J
	NV-FJ610ECYK	E
	NV-FJ610ECYS	

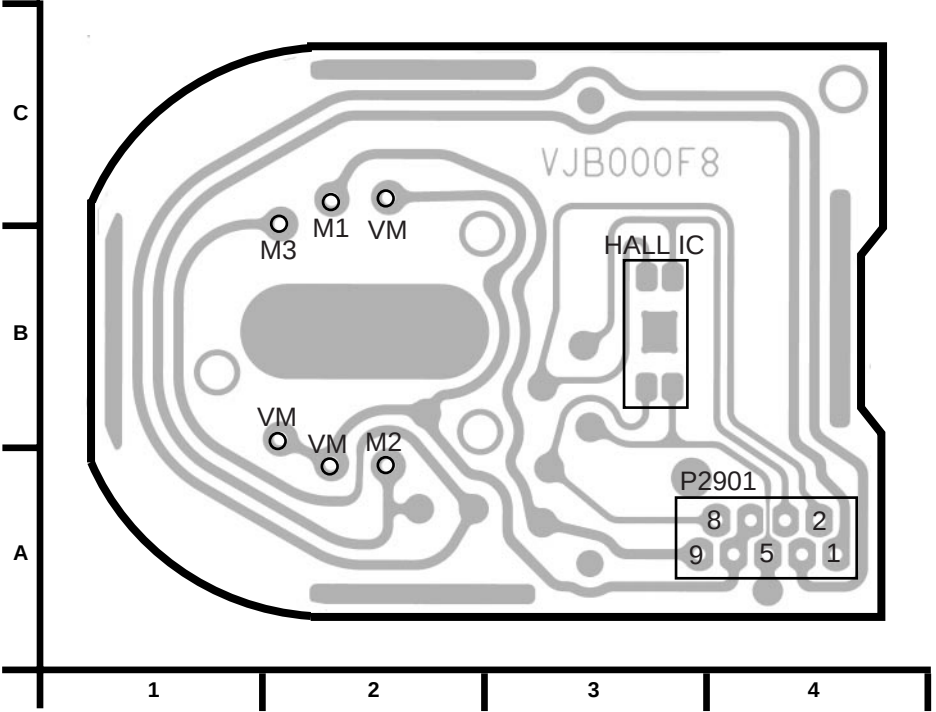
MAIN C.B.A.

Transistor		Integrated Circuit	
Q1001	A-3	IC1001	B-3
Q1002	A-3	IC1201	E-5
Q1003	A-3	IC1501	B-4
Q1004	D-7	IC1502	B-6
Q1005	C-8	IC2502	E-3
Q1006	C-3	IC3001	E-4
Q1009	C-8	IC3501	D-5
Q1010	C-7	IC4001	C-6
Q1201	E-5	IC4501	E-6
Q1202	F-5	IC4901	E-7
Q1501	C-3	IC6001	C-4
Q1502	C-7	IC7501	A-5
Q3003	F-5	IC7502	A-6
Q4001	F-4	IC7503	A-6
Q4002	F-4	IC7504	A-4
Q4006	D-7	IC7701	B-7
Q4007	C-7	IC7703	B-7
Q4901	E-7	IC7704	A-6
Q4903	E-8		
Q4904	E-8	**Test Land**	
Q4905	F-7	TL2502	C-4
Q7601	B-8	TL2503	C-3
Q7604	B-8	TL4901	D-7
Q7605	B-8	TL6010	B-3
Q7606	B-8	TL6012	B-4
Q7701	A-8	TL6013	B-6
Q7702	A-8		
Q7703	A-8	**Test Wire**	
Q7709	A-8	TW2001	C-3
Q7802	B-5	TW2002	D-3
		TW2015	D-3
Transistor & Resistor		TW3002	F-7
QR1001	A-3	TW3003	E-7
QR1002	C-5	TW4501	E-6
QR1003	C-8	TW4502	D-7
QR1007	C-7	TW4901	F-6
QR3006	E-5	TW4902	E-7
QR3007	E-5	TW4903	F-6
QR4001	E-4	TW4906	F-7
QR4002	E-4	TW4907	E-7
QR4004	C-7	TW6002	D-3
QR4006	E-4		
QR4502	F-6	**Connector**	
QR4503	F-6	P1001	B-3
QR4504	F-6	P1501	E-4
QR4505	F-6	P2501	C-3
QR4506	D-6	P2502	E-3
QR4903	F-8	P3502	E-5
QR6002	C-5	P4002	D-6
QR6003	B-4	P4003	E-5
QR6004	B-3	PK7301	B-8
QR6005	B-3	PK7302	A-8
QR6006	B-5	TU7601	E-8
QR6007	B-4		

ADDRESS INFORMATION

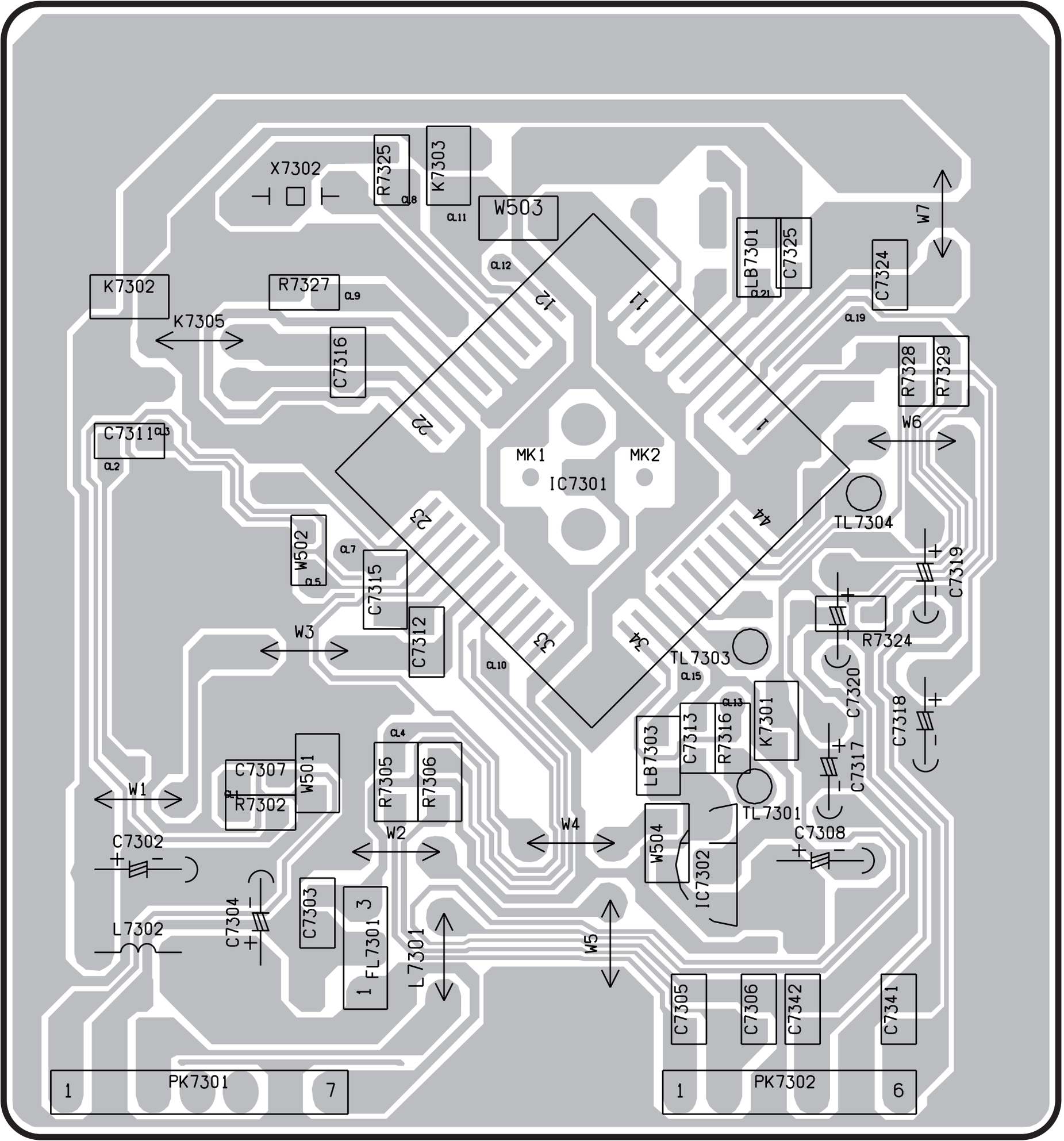


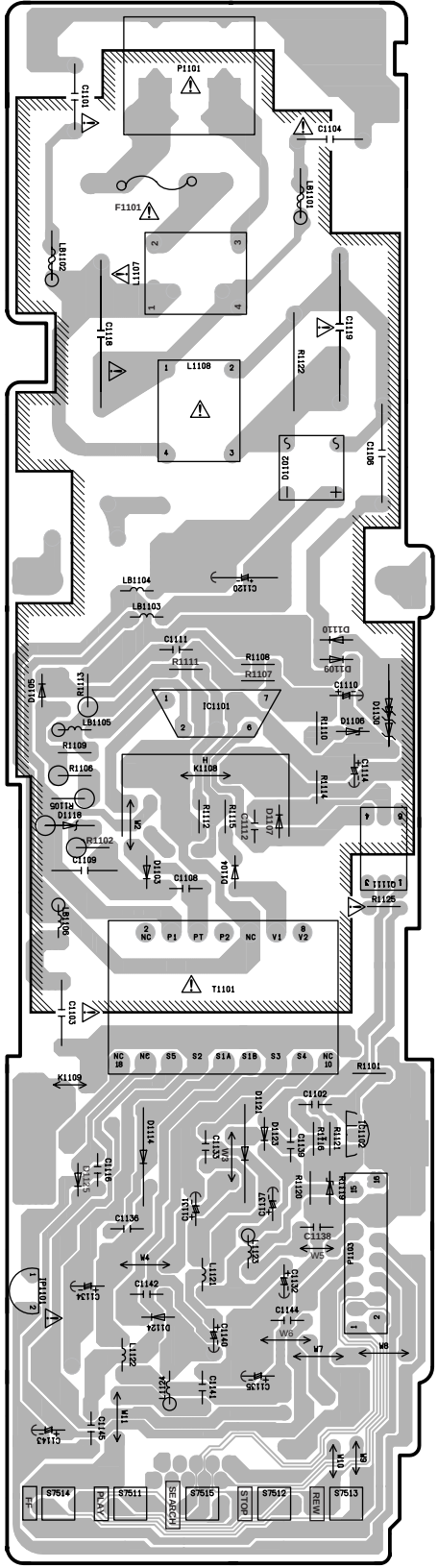
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



CYLINDER MOTOR UNIT	
Integrated Circuit	
HALL IC	B-3
Connector	
P2901	A-4

ADDRESS INFORMATION


X7302
R7325
K7303
W503
K7302
R7327
K7305
C7316
C7311
W502
C7315
C7312
W3
W1
C7307
R7302
W501
C7302
L7302
C7304
C7303
FL7301
L7301
W2
R7305
R7306
W4
W5
MK1
MK2
IC7301
LB7301
C7325
C7324
W7
R7328
R7329
W6
TL7304
C7319
R7324
TL7303
C7320
C7318
C7317
LB7303
C7313
R7316
K7301
W504
IC7302
TL7301
C7308
C7305
C7306
C7342
C7341
PK7301
PK7302



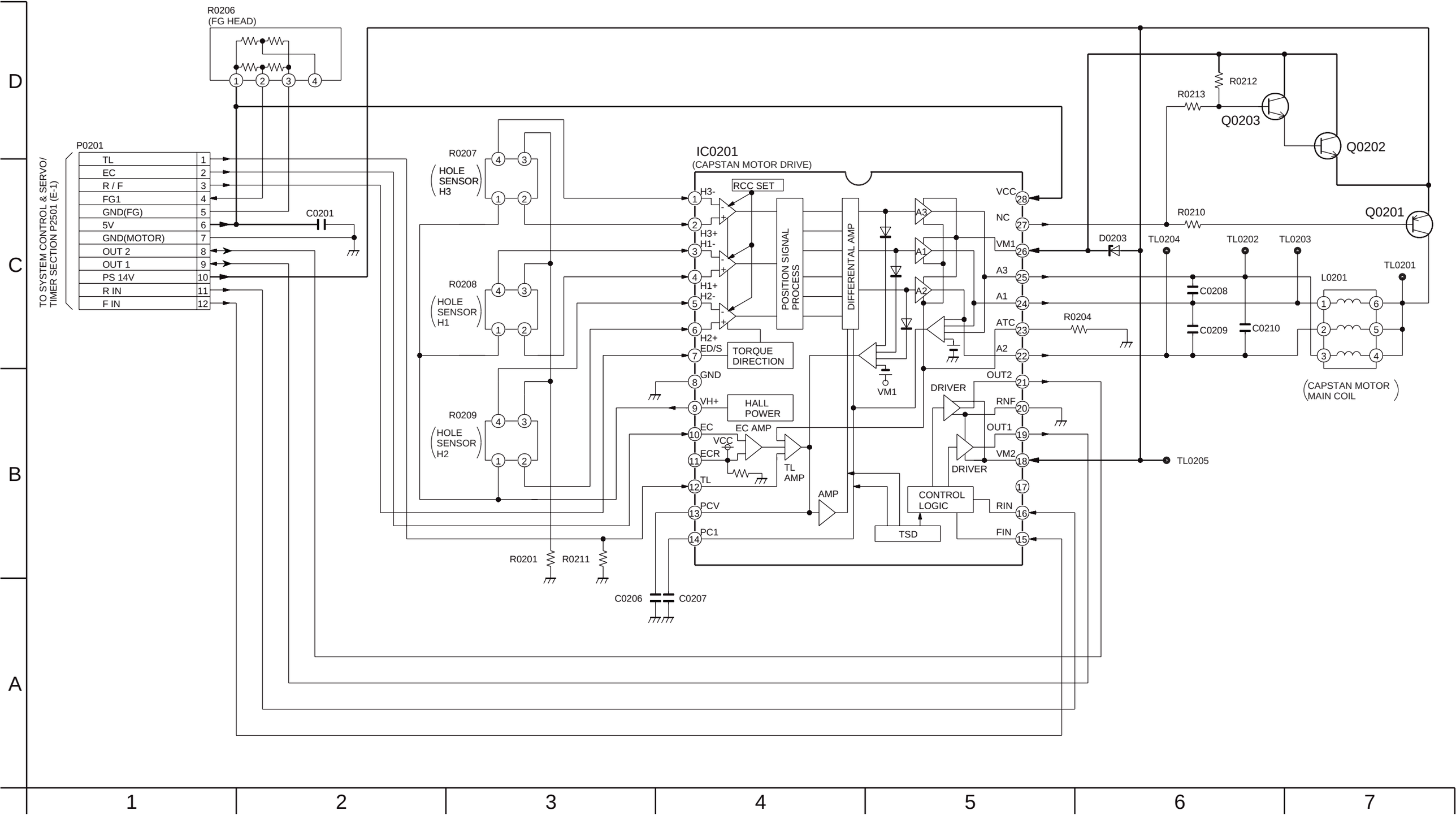
CAUTION

THE ▨ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

F
E
D
C
B
A

1 2 3 4 5


R0206
(FG HEAD)
P0201
TL 1
EC 2
R / F 3
FG1 4
GND(FG) 5
5V 6
GND(MOTOR) 7
OUT 2 8
OUT 1 9
PS 14V 10
R IN 11
F IN 12
TO SYSTEM CONTROL & SERVO/
TIMER SECTION P2501 (E-1)
C0201
R0207
HOLE SENSOR H3
R0208
HOLE SENSOR H1
R0209
HOLE SENSOR H2
IC0201
(CAPSTAN MOTOR DRIVE)
RCC SET
H3-
H3+
H1-
H1+
H2-
H2+
ED/S
TORQUE DIRECTION
GND
VH+
HALL POWER
EC
EC AMP
VCC
ECR
TL
TL AMP
PCV
AMP
PC1
POSITION SIGNAL PROCESS
DIFFERENTAL AMP
A3
A1
A2
VM1
VCC 28
NC 27
VM1 26
A3 25
A1 24
ATC 23
A2 22
OUT2 21
RNF 20
OUT1 19
VM2 18
17
RIN 16
FIN 15
DRIVER
DRIVER
CONTROL LOGIC
TSD
R0201
R0211
C0206
C0207
R0212
R0213
Q0203
Q0202
Q0201
R0210
D0203
TL0204
TL0202
TL0203
TL0201
L0201
C0208
C0209
C0210
R0204
TL0205
(CAPSTAN MOTOR MAIN COIL)

AUDIO SIGNAL PATH

PK7301
SIF 1 — 1.5
GND 2 — 0
TU AUDIO 3 — 0
4 — 0
5 — 0
6 — 0
SW 5V 7 — 4.9
TO INPUT/OUTPUT & TUNER SECTION PK7301 (B-13)

R7315 0
C7318 16V10
R7316 6800
R7314 3300
C7317 6V100
C7316 0.1
C7326 0.015
R7309 220
C7319 16V47
TL7302
TL7301
C7320 4700P
C7321 50V0.47
R7301 0
C7301 0.01

IC7301
TDA9873H

44	43	42	41	40	39	38	37	36	35	34
0	2.4	0	2.3	2.3	2.3	2.3	0	0	2.6	2.5

AF SWITCH

C7327 0.015
C7328 0.015
R7307 6800
R7308 6800
C7310 0.01
C7309 0.01
C7312 16V10
C7313 16V10
R7317 0
R7318 0
R7319 3300
R7320 3300

1	2	3	4	5	6	7	8	9	10	11
2.4	2.4	2.4	0	0	2.4	0	2.3	0	2.4	0

STEREO DECODER STEREO ADJUST B/G,D/K,I,M(KOREA)STANDARD
POWER SUPPLY
AF AMPLIFIER 1
AF AMPLIFIER 2
FM DEMODULATER NARROW-BAND PLL SC1
DIGITAL ACQUISITION OSCILLATOR CLOCK
FM DEMODULATER NARROW-BAND PLL SC2
DIGITAL IDENTIFICATION
PILOT NARROW-BAND PLL
IIC-BUS TRANSCEIVER
C7308 50V0.47

33	32	31	30	29	28	27	26	25	24	23
2.4	2.4	2.9	5.1	5.0	4.9	0	1.4	2.3	1.3	0

C7322 50V0.47
C7323 0.1
R7311 7500
R7312 100
R7313 100
C7302 50V0.47
C7303 50V0.47
R7304 4700
VR7301 EVNCBAA00B14

12	13	14	15	16	17	18	19	20	21	22
0	0	2.7	2.5	0	0	2.8	0	0	0.8	0

TL7303
C7307 680P
R7306 5600
C7306 0.012
X7301 VSX1086-T
R7305 5600
C7305 0.012
C7304 680P
K7301 0

PK7302
SCL 1 — 5.0
SDA 2 — 5.1
3 — 0
AUDIO(R) 4 — 0
GND 5 — 0
AUDIO(L) 6 — 0
TO INPUT/OUTPUT & TUNER SECTION PK7302 (A-13)

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

AUDIO SIGNAL PATH VIDEO SIGNAL PATH

R0713 0

R0717 470:(A,B,D,E,G,H,J) 1500:(C,F)

R0740 270:(A,B,D,E,G,H,J) 470:(C,F)

C0721 180P:(A,B,D,E,G,H,J) 82P:(C,F)

T0701 EQV5EC082P (A,B,D,E,G,H,J) EQV5EC083P (C,F)

R0726 68K

C0724 220P

R0711 180

R0745 3300K

C0707 50V2.2

C0717 ECUV1H330GUV

C0706 50V1

R0727 0

C0719 0.1

C0708 50V0.47

(C,F)

R0701 100K

R0728 0

3.0 1.8 1.5 3.1 1.6 2.0 3.2 4.2 4.2 4.0 4.0 3.3

1 2 3 4 5 6 7 8 9 10 11 12

A B

IC0701 LA75503

BPF, BPF, LIM AMP, FM DET, DEEMPHP, FIL CONT, S PLL, EQ AMP, TRAP, AMP SW, VIDEO DET, VIF AMP, APC DET, IF AGC, IST SIF DET, IST AMP, RF AGC, AGC, AFT AMP, LPF, VCO, FLL

R0746 560K

C0715 3P

2.4 2.1 2.1 3.2 2.8 2.8 0 4.8 1.5 0 4.0 2.3

24 23 22 21 20 19 18 17 16 15 14 13

R0741 220

R0742 150

Q0702 2SD601A-STX (AMP)

R0743 1K

D0702 MA77

R0705 3600

R0708 10K

C0702 1000P

C0701 1u

C0713 10V390

C0712 0.1

C0716 0.022

R0707 39K

VR0701 EVNCBAA00B14

C0703 1u

C0714 1u

C0704 0.033

R0725 100

R0730 10K (A,B,D,E,G,H,J)

PK0701

0	9	GND
0	8	VIDEO MUTE
4.8	7	VIF 5V
1.5	6	VIDEO OUT
2.3	5	AFC
1.5	4	SIF OUT
0	3	———
0	2	———
0	1	———

TO INPUT/OUTPUT & TUNER SECTION TU7601 (B-13)

K0703 0

K0709 0

R0719 4700

R0729 10K

R0715 22K

K0707 0

X0704 VLF1493 (A,B,D,E,G,H,J) VLF1495 (C,F)

PP0701

GND	4	0
IF	3	0
AGC	2	4.0
4 MHz	1	0

(TO TUNER UNIT)

C0711 16V22

L0701 ELJNAR18JF:(A,B,D,E,G,H,J) ELJNAR22JF:(C,F)

X0701 VLF1416:(A,B,D,E,G,H,J) VLF1417:(C,F)

C0710 0.01

L0703 ELJNA2R2JF:(A,B,D,E,G,H,J) ELJNA1R8JF:(C,F)

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

E D C B A

1 2 3 4 5 6 7 8 9

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE

A :TO AUDIO SECTION
S :TO SYSTEM CONTROL & SERVO/TIMER SECTION
V :TO VIDEO SECTION
O :TO OSD SECTION

JK4901 VJJ0377 — Rch, Lch

AUDIO 1 IN (L)
A1 L OUT
A1 R OUT
A2 L OUT
CPB(H)
PS 14V
GND

AUDIO 2 IN (L)
AUDIO 2 IN (R)
PS 12V
SW 12V
PS 12V
V OUT TO Y/C

A2 R OUT
AUDIO 1 IN (R)
SLEEP(H)
REG 5V
SW 12V
UNREG 5.6V
VCC

RF C OUT 2
TUN V IN
DECODER (L)
PS 5V
DECODER (R)
TUN AUDIO IN

JK4902-1,3 PLAY 250mVp-p (0.5msec. div)
JK4903-1,3 PLAY 250mVp-p (0.5msec. div)

C4906 470P, C4908 470P, C4907 470P, LB4903 220, LB4904 220, L4901 0.22µ, R4921 330, TW4902, TW4903, TW4907, TW4901, C7619 0.1, C4909 470P, R4915 22K, R4912 4700, R4913 15K, R4923 330, C4914 470P, LB4906 220, LB4907 220, C4905 470P, C4903 470P, C4904 470P, R4901 330, R4902 330, C4901 47P, C4902 47P, C4912 47P, C4913 47P, R4929 75

QR4903 UN2212 (INV.)

K4009

LB4902 220, LB4901 220

Q1201 2SD1996 (REG.)
Q1202 2SD1996 (REG.)
C1201 6V100, C1208 0.01, C1204 0.01, C1206 0.1, C1205 6V47, R1204 1K
IC1201 UPC1093J
R1201 2700, C1202 0.01, R1202 2700, R1203 62K, C1203 10V22, C1207 0.1
IP1201 UNH000300A
IP1202 UNH000300A

LB4910, C4938 2200P

VIDEO OUT, TW3002, R4924 75

JK4902 (2 SCART)
JK4903 VJS3634 (2 SCART)
(2 SCART)

D4905 MA4075, D4906 MA4075

R4926 47K, R4927 47K

Q4904 2SD601A (SWITCHING)
Q4903 2SD601A (SWITCHING)
Q4905 2SD1328 (SWITCHING)

TW3003, R4925 75, R4928 75

JK4902-19 PLAY 0.4Vp-p (20µsec. div)
JK4903-19 PLAY 0.4Vp-p (20µsec. div)

JK4902-1~3 REC 300mVp-p(2msec. div)
JK4903-1~3 REC 300mVp-p(2msec. div)

JK4902-20 REC 0.4Vp-p (20µsec. div)
JK4903-20 REC 0.4Vp-p (20µsec. div)

JK4902 JK4903

1	AUDIO OUT(R)
2	AUDIO IN(R)
3	AUDIO OUT(L)
4	GND(A)
5	GND
6	AUDIO IN(L)
7	BLUE
8	PB +12V
9	GND
10	–/CONTROL
11	GREEN
12	–/DATA
13	GND
14	GND
15	RED
16	BLANKING
17	GND
18	GND
19	VIDEO OUT
20	VIDEO IN
21	GND

IC4901-34 PLAY 0.8Vp-p(20msec. div)
IC4901-26 PLAY 10mVp-p(5msec. div)
IC4901-2,3 REC 2.0Vp-p(10msec. div)
IC4901-2 PLAY 10.0mVp-p(5msec. div)
IC4901-3 PLAY 1.75mV(10msec. div)

IC4901 LA73021M

V1 IN, GND, V1 OUT, PB(H), A1 IN, A1 MUTE, A1 OUT, A MUTE, V2 IN, N SW 5V, V2 OUT, GND, A2 IN, A2 MUTE, A2 OUT, PS 5V, V IN FROM OSD, GND

POWER SAVE, IIC DATA, IIC CLK, GND, TUN A IN, SAT(H), TUN V IN, V REF, A3 IN, RIPPLE FLT, V3 IN, 12V, A OUT TO Y/C, GND, A IN FROM Y/C, RGB OFF(H), V OUT FOR VBI ENC, V OUT TO Y/C

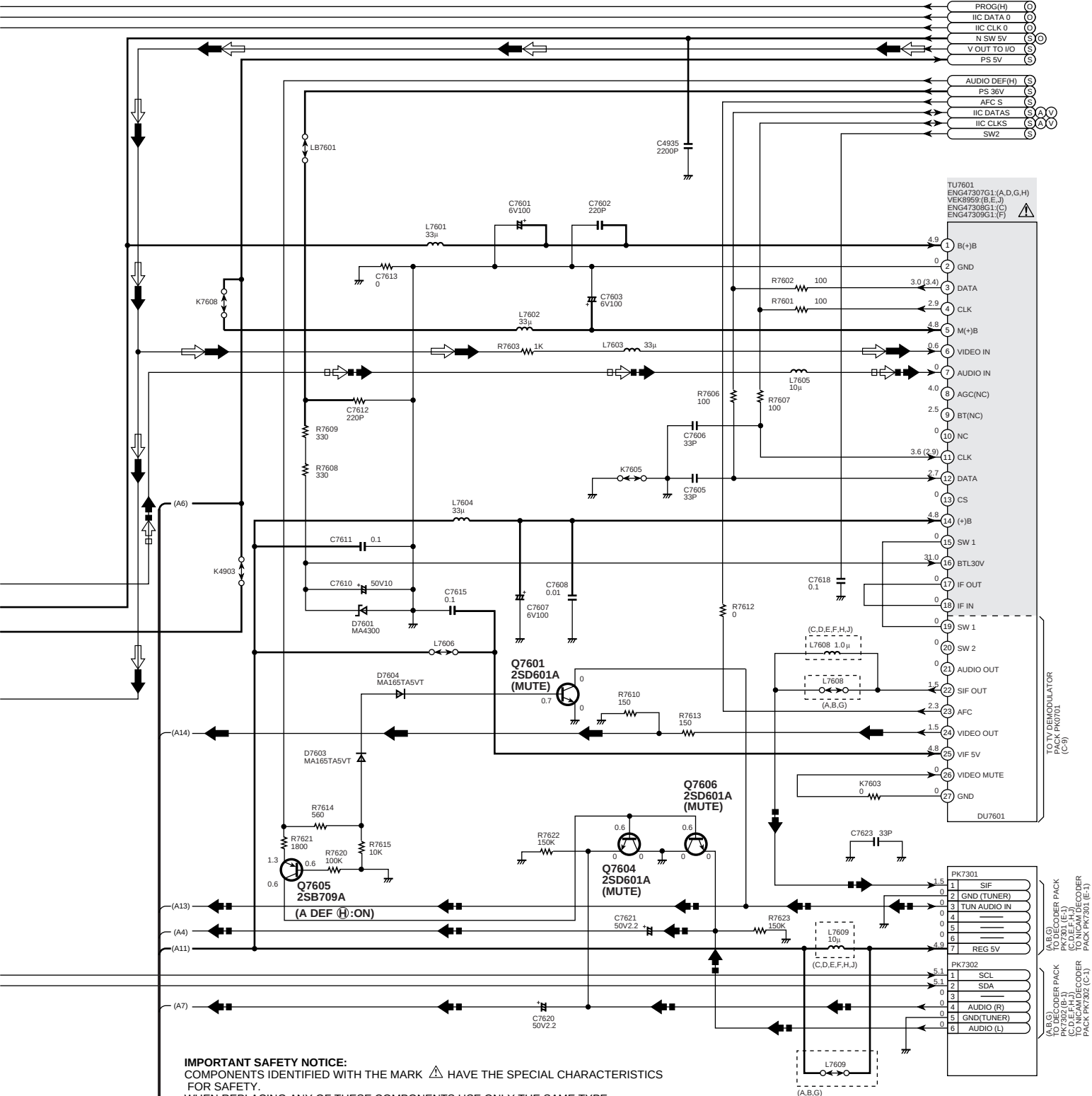
C4917 0.1, R4916 470, C4923 0.1, C4925 0.1, C4928 6V330, C4932 0.1, C4939 0.1, C4940 6V330, C4941 0.1, L4902 68µ, L4904 68µ, L4903 68µ, R4905 470, Q4901 2SB709A (AMP), R4934 1K, R4933 910, TL4901, R4931 10K, C4921 0.1, C4922 16V47, C4926 16V47, C4927 0.1, C4929 0.1, C4933 16V47, R4907 220, R4908 220, R4911 220

IC4901-20 PLAY 0.4Vp-p (20msec. div)
IC4901-18,20,36 REC 0.4Vp-p (20µsec. div)
IC4901-26,34 REC 0.8Vp-p (20µsec. div)

(A1) (A2) (A4) (A6) (A7) (A8) (A11) (A13) (A14)

1 2 3 4 5 6 7 8 9

E D C B A

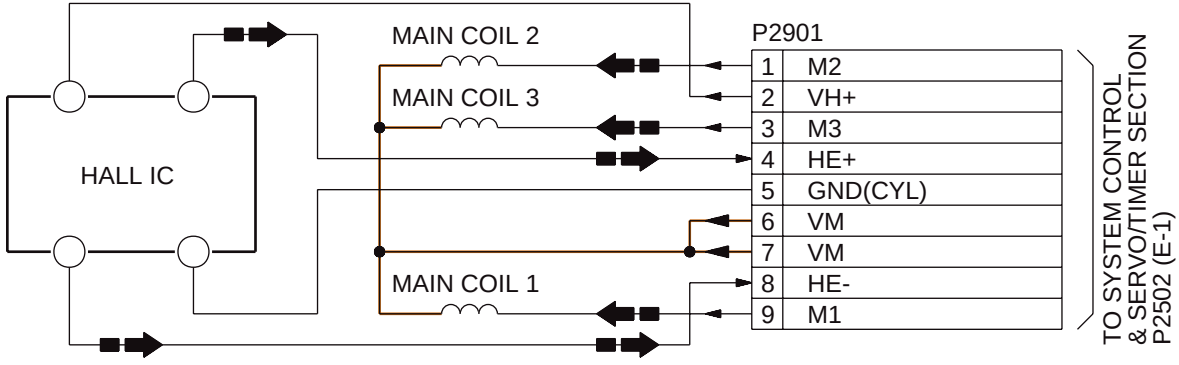


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

CYLINDER SERVO SPEED LOOP



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

A

1 2 3

AUDIO SIGNAL PATH

L7302 1µ

C7302 6V100

FL7301 VLF0633-T

C7304 6V100

C7303 0.01

PK7301

SIF	1	1.5
GND	2	0
TU AUDIO	3	0
———	4	0
———	5	0.1
———	6	0
SW 5V	7	4.9

TO INPUT/OUTPUT & TUNER SECTION PK7301 (B-13)

L7301

C7307 0.01

R7302 0

C7311 0

K7305

K7303 0

K7302 0

R7327 8200

C7316 0.1

R7325 0

X7302 VSX0953

22	21	20	19	18	17	16	15	14	13	12	
0	4.9	0	0	1.9	0	0	1.4	1.5	0	0	
TEST1	VDDA2	VSSA2	ADDR2	1 REF	TEST2	TP3	XTALI	XTALO	ADDR1	PCLK	

C7315 0.1

C7312 0.1

23	SIF2	1.9
24	VREF1	1.9
25	SIF1	1.9
26	CRESET	4.9
27	VSSA3	0
28	VDDA3	4.9
29	SCL	5.2
30	SDA	5.1
31	SDO	0
32	WS	0
33	SCK	0

R7305 100

R7306 100

IC7301
TDA9874AH

11	TP1	0
10	NICAM	0
9	TP2	0
8	VDEC2	0
7	VSSD2	0
6	VDDD1	5.2
5	VSSD1	0
4	VSSA1	0
3	VDDA1	4.9
2	OUT R	2.4
1	OUT L	2.4

LB7301 0

C7325 0.1

C7324 0.1

PK7302

SCL	1	5.2
SDA	2	5.1
———	3	0
AUDIO(R)	4	0
GND	5	0
AUDIO(L)	6	0

TO INPUT/OUTPUT & TUNER SECTION PK7302 (A-13)

C7341 4700

C7342 4700

C7306 33

C7305 33

IC7302
PST7043

IN	G	OUT
1	2	3
4.9	0	4.9

C7308 50V2.2

34	35	36	37	38	39	40	41	42	43	44
0	4.9	0	4.9	2.4	2.4	2.4	2.4	4.9	2.4	0
SYS CLK	VDDD3	VSSD3	P1	MONO IN	EXTIR	EXTIL	V REF2	P2	OUT M	VSSA4

R7316 10K

TL7301

LB7303 0

TL7303

TL7304

R7324 220

C7317 16V10

C7318 6V47

C7313 0.1

K7301 0

R7328 220

R7329 220

C7319 16V10

C7320 16V10

NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

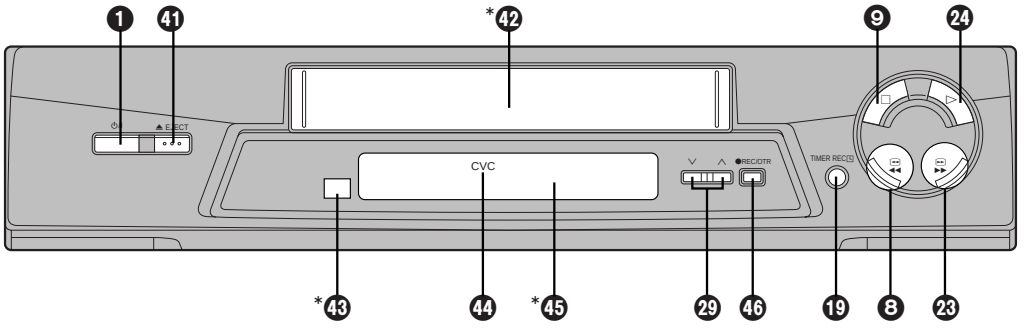
NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.
WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

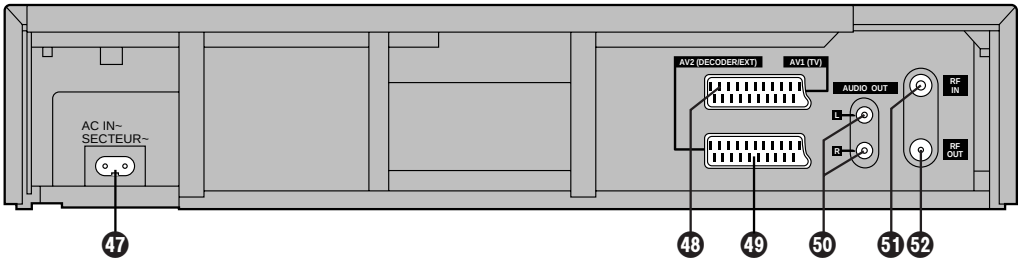
E D C B A

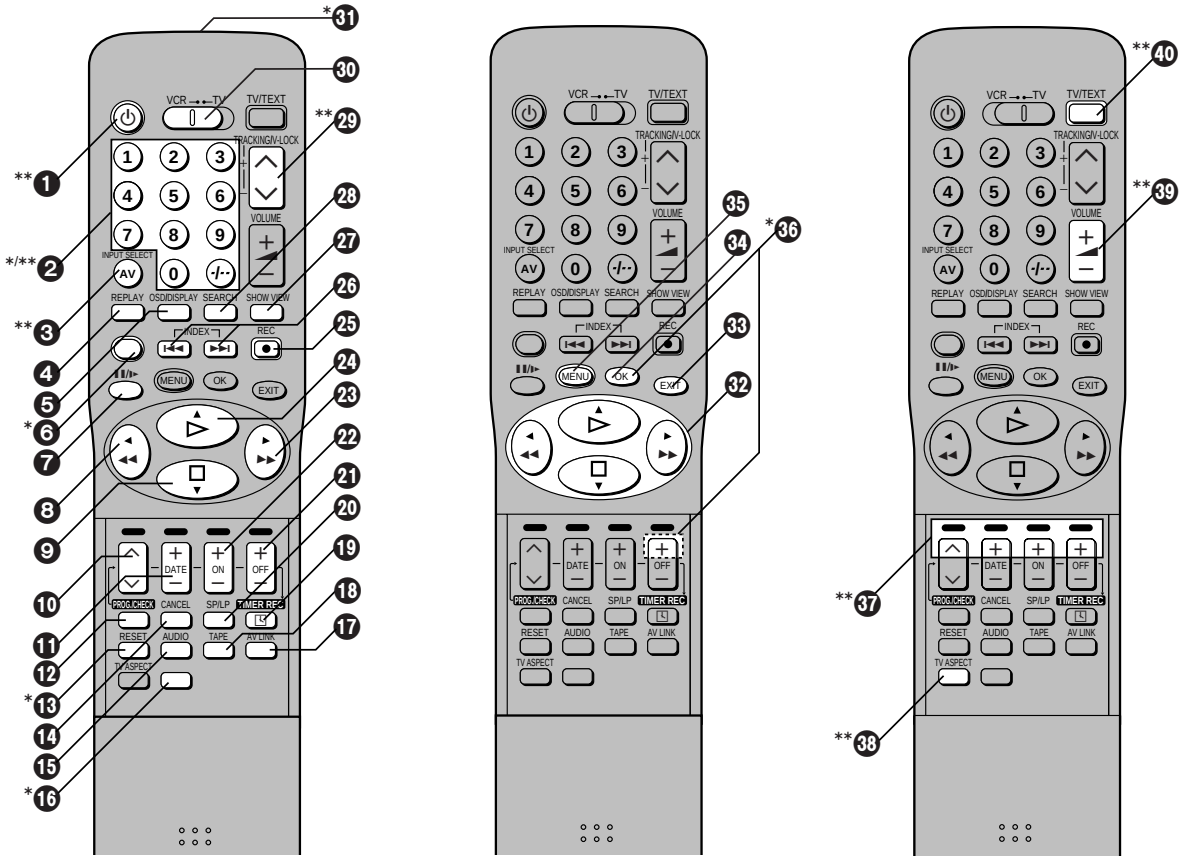
1 2 3 4 5 6 7 8 9

Controls and Components

Keep this page open as you read through the Operating Instructions. Refer to it for the control and component names and numbers which appear in the text.







* See page 4. (VCR Operation)
** See page 6. (TV Operation)

Preparing the Remote Control

VCR Operation

When you want to operate the VCR, set the VCR/TV switch ㉚ to "VCR".

*❷ **Numeric buttons**
To select the programme positions (1–99) of the VCR.
Example:
9: 9
19: -/-- → 1 → 9

To enter a ShowView number.

To enter numbers for various settings.

*❻ No function

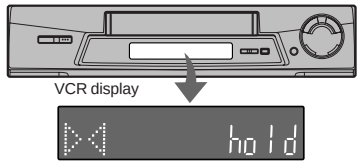
*⓭ **Tape Counter Reset button**
To reset the tape counter (elapsed time) to "0:00.00".
- The tape counter is automatically reset to "0:00.00" when a video cassette is inserted.

*⓰ No function

*㉛ **Infra-red transmitter**

*㉟ **Child Lock Function buttons**
(Convenient function to prevent unauthorized use)
This function deactivates all buttons on the VCR and the remote control. Use this function, when you do not want other people to operate the VCR.

To Activate the Child Lock Function:
1 Hold down the OK and the OFF (+) buttons ㉟ simultaneously until the "⋈ hold" indication appears in the VCR display.
- If you press a button while the Child Lock function is on, the "⋈ hold" indication appears in the VCR display to inform you that no operation is possible.



Indication when the Child Lock function is activated

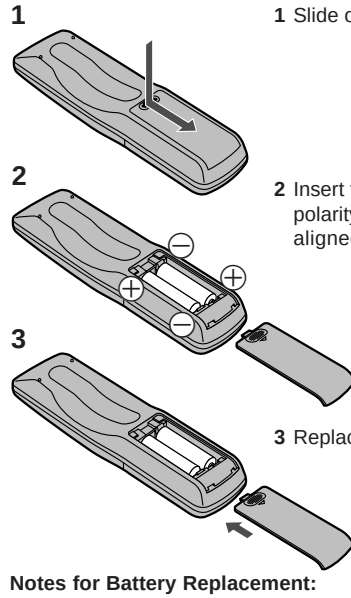
To Cancel the Child Lock Function:
1 Hold down the OK and the OFF (+) buttons ㉟ simultaneously until the "⋈ hold" indication disappears.
- If you disconnect the power cable, the Child Lock function is automatically cancelled after the power backup time of approximately 60 minutes has elapsed.

*㊷ **Cassette compartment**

*㊸ **Infra-red Remote Control Receiver window**

*㊺ **VCR display**

Inserting Remote Control Batteries



1 Slide off the battery cover.

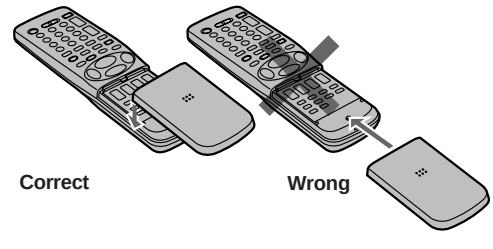
2 Insert the batteries with the polarity (⊕ and ⊖) correctly aligned.

3 Replace the battery cover.

Notes for Battery Replacement:
- The service life of the batteries is approximately 1 year. However, it varies considerably depending on the frequency of use.
- When they are exhausted, replace them with two AA, UM3, or R6 size batteries.
- When the batteries are exhausted, remove them immediately and dispose of them correctly.
- Make sure that the batteries are inserted with the polarity (⊕ and ⊖) correctly aligned.
- Do not mix old battery with new battery.
- Do not mix different battery types, i.e. Alkaline and Manganese.
- Do not use rechargeable (Ni-Cd) batteries.
- Do not heat or short-circuit the batteries.
- When you do not use the remote control for a long time, take out the batteries and store them in a cool, dry place.

If the Sliding Cover of the Remote Control Becomes Detached

If the sliding cover of the remote control becomes detached accidentally, fit it securely in place by placing it on the top of the remote control at the position shown in the illustration below, and pushing it down until it clicks into position.
- It is not possible to fit the sliding cover in place by pushing or sliding it on from the bottom end of the remote control.



Warning and Important Information

As this equipment gets hot during use, operate it in a well ventilated place; do not install this equipment in a confined space such as a book case or similar unit.

IMPORTANT

Your attention is drawn to the fact that the recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

FOR YOUR SAFETY

DO NOT REMOVE OUTER COVER.

To prevent electric shock, do not remove cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

Remarks

1. This VCR is also capable of receiving SECAM type broadcasting programmes (SECAM B/G) and recording/playing back its colour television signals.
2. When a cassette which has been recorded on this VCR is played back on a SECAM VCR, the picture may be reproduced in black and white. When it is played back on a PAL VCR without SECAM capability, the picture may not be reproduced in normal colour.
3. When cassettes recorded on a SECAM VCR or SECAM pre-recorded cassettes are played back on this VCR, the picture may be reproduced in black and white.
4. This VCR is not designed for use in France, where a SECAM VCR should be used instead.

Press the VCR-ON/OFF button ⏻ to switch the VCR from on to standby mode or vice versa. In the standby mode, the VCR is still connected to the mains.

SHOWVIEW is a trademark of Gemstar Development Corporation. The SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.

Setting the Remote Control to Operate Your TV

Only Panasonic TVs can be operated with the provided remote control.

The settings for operating the TV with the remote control have already been made.
No additional settings need to be performed.

However, some Panasonic TVs cannot be operated using this remote control.

TV Operation

The explanations below show you what functions individual buttons have when the VCR/TV switch ㉚ is set to “TV”.

****❶ TV-ON/OFF button**
To switch the TV on from standby mode (OFF) or vice versa.
On some TVs it is only possible to switch the TV to standby mode (OFF) with this button, but not on. In this case, try to turn the TV on with one of the following buttons:
Numeric buttons ❷
AV button ❸
Channel button ㉙

****❷ Numeric buttons**
To select the programme positions (1–99) on the TV.

****❸ AV button**
To select the desired AV input on the TV.

****㉙ Channel button**
To select the desired programme position (TV station) on the TV.

****㉗ Teletext buttons**
If your TV is equipped for Teletext reception, you can use these buttons to change the teletext information displayed on the screen and select desired information. For details, refer to your TV’s operating instructions.

****㉘ TV ASPECT button**
To switch the screen format between the wide-screen and other formats.

****㉙ VOLUME button**
To adjust the volume of the TV.

****㊵ TV/TEXT button**
To switch between normal TV mode and teletext mode.

The 3 Methods for Switching to the AV Input on Your Panasonic TV

Your Panasonic TV uses one of three different methods for switching between TV reception and the AV input(s). Perform the operations steps listed for the switching methods A, B and C below to determine which one your Panasonic TV uses.

A
1 Set the VCR/TV switch ㉚ to “TV”.
2 Press the AV button ❸ to switch to the AV Input. Each press of the AV button ❸ switches between “TV reception” and “AV Input(s)”.

B
1 Set the VCR/TV switch ㉚ to “TV”.
2 Press the AV button ❸.
Colour bars for selecting the AV Input appear on the TV screen.
3 Follow the instructions displayed on the TV screen to select the desired AV Input from the displayed colour bars for the AV Input by pressing the corresponding colour button ∧ (red) ❿, DATE+ (green) ⓫, ON+ (yellow) ㉒ or OFF+ (blue) ㉑ on the remote control.

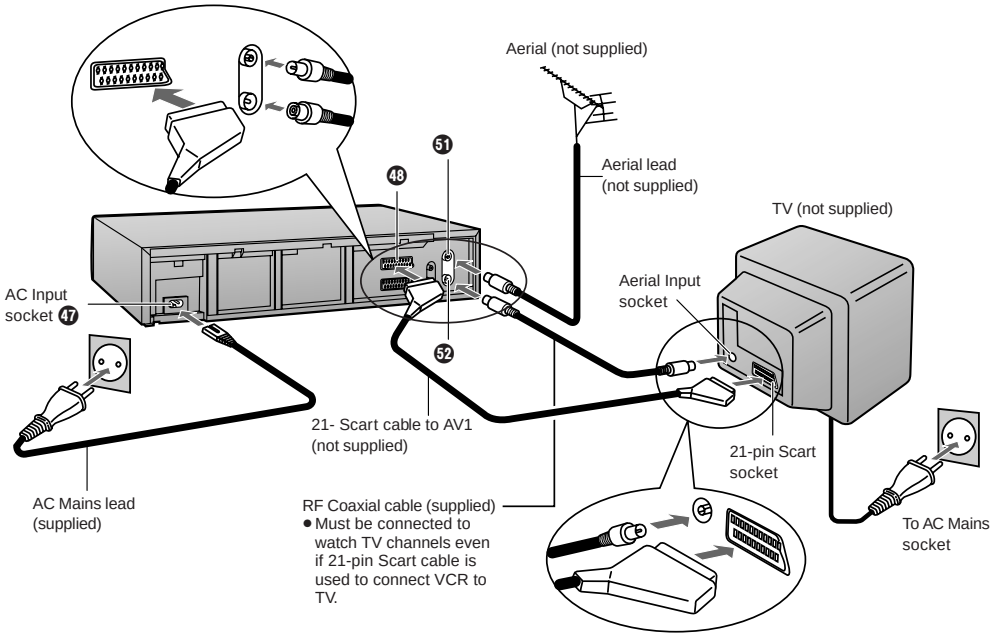
C
1 Set the VCR/TV switch ㉚ to “TV”.
2 Press the AV ❸ button.
The last previously selected AV Input indication appears on the TV screen. The indications for selecting another AV Input also appear, but they disappear a few seconds later.
3 Before the indications for selecting another AV Input disappear, press the ∨ button ❿, DATE− button ⓫, ON− button ㉒ or OFF− button ㉑ to select the desired AV input.
With the following four buttons, you can move and select as follows:

∨ ❿:	Move left
DATE− ⓫:	Move down
ON− ㉒:	Move up
OFF− ㉑:	Move right

Connecting the VCR to a TV

Method 1.

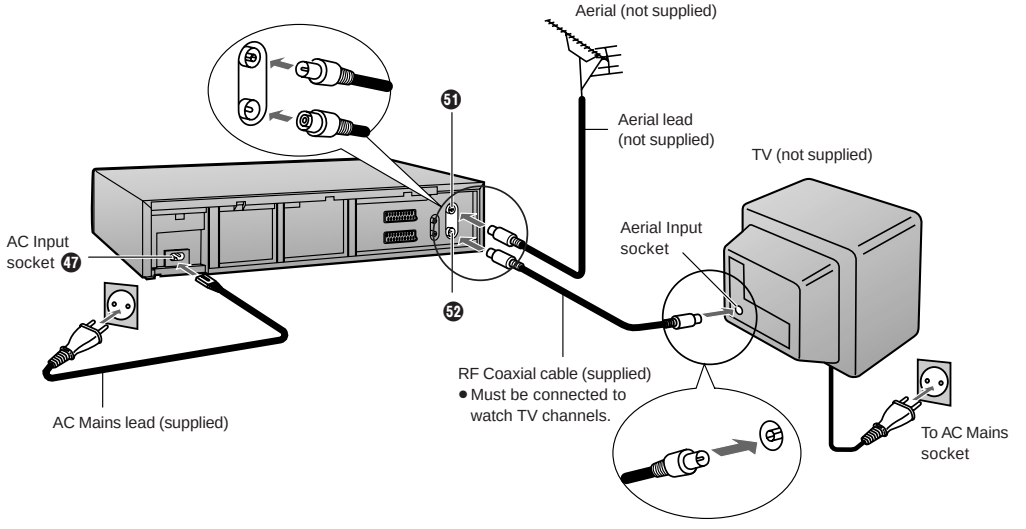
If you are connecting your VCR to a TV using RF coaxial cable and 21-pin Scart cable, then follow the steps below. (AV Connection)



After completing the above connections, proceed to the Auto Setup page (Page 8).

or Method 2.

If you are connecting your VCR to a TV using only RF coaxial cable, then follow the steps below. (RF Connection)



After completing the above connections, proceed to the Auto Setup page (Page 9).

If you are connecting your VCR to a TV using Method 1, follow the operations explained below.

Auto Setup Function

The Auto Setup function automatically tunes all available TV stations and sets the VCR's clock to the current date and time. If the tuning and time/date settings are not correct, performing timer recordings is not possible.

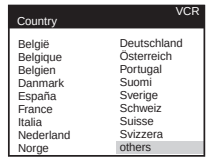
1 Switch the TV on.

2 Select the AV input on your TV.

3 Set the VCR/TV switch ㉚ to "VCR".

4 Press the VCR-ON/OFF button ❶ to switch the VCR on.
The Country setting menu appears on the TV screen.

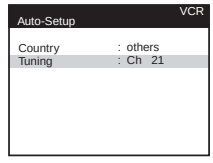
On Screen Display



Menu for Country setting

5 Press the Cursor buttons (▲▼◄►) ㉜ to select the country where you are using the VCR.

6 Press the OK button ㉞ and the VCR's Auto Setup automatically starts and tunes all available TV stations and also sets the clock. This takes about 5 minutes.



Indication during Auto Setup

7 When the indication shown on the right appears on the VCR display, the Auto Setup is complete.

VCR display

Indication when Auto Setup is complete

8 Press the MENU button ㉟ for more than 5 seconds so that the RF output channel number appears on the VCR display.
The initial setting is channel 36.

Indication when the RF output channel is 36 (example)

9 Press the Numeric button "0" ❷ so that the displayed RF output channel number changes to "– –".

Indication after changing the RF output channel to "– –"

10 Press the OK button ㉞ to conclude the setting.

◆ **To Cancel the Auto Setup Before It Has Finished**
Press the EXIT button ㉝.

Hint:

- If you select "Schweiz", "Suisse" or "Svizzera" on the Country setting menu, the Functions setting menu appears automatically to let you set the item "Power save" to "ON". In this setting, the VCR's power consumption is minimised when it is off (Standby mode). To turn the VCR on, keep the VCR-ON/OFF button ❶ pressed on the VCR main unit. It is not possible to turn it on with the remote control.

When the clock setting menu appears after Auto Setup has finished:

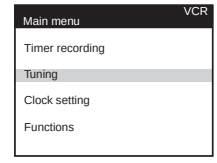
1 Press the Cursor buttons (▲▼◄►) ㉜ to set the correct time and date.

2 Press the OK button ㉞ to conclude the setting.

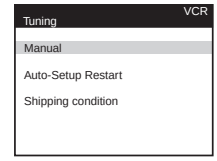
To Confirm that the TV Stations Have Been Tuned Correctly by the Auto Setup Function

1 Press the MENU button ㉟ to display the OSD Main menu on the TV screen.

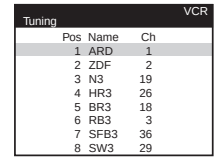
On Screen Display



2 Press the Cursor buttons (▲▼) ㉜ to select "Tuning" and press the OK button ㉞ then select "Manual".



3 Press the OK button ㉞ to display the list of tuned TV stations and confirm that all available TV stations have been set correctly.



List of tuned TV stations (example)

4 Press the EXIT button ㉝ to exit the On Screen Display.

When the station names and/or channel numbers have not been set correctly:
See page 21 for details.

If you are connecting your VCR to a TV using Method 2, follow the operations explained below.

To be able to watch the VCR picture on the TV, RF connection requires the video playback channel to be set on the TV.

1 Switch the TV on.

2 Select an unoccupied programme position (which is not tuned to a TV station).
If you are using a Panasonic TV, select programme position “0”.

3 Set the VCR/TV switch ㉚ to “VCR”.

4 Press the VCR-ON/OFF button ❶ to switch the VCR on.

5 Press the MENU button ㉟ for more than 5 seconds.
The number of the RF output channel appears on the VCR display.
The initial setting is channel 36.

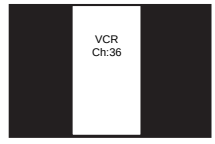
VCR display

Indication when the RF output channel is 36 (example)

6 Tune your TV until the test pattern shown on the right appears on the TV screen.
Now, the setting of the RF output channel is complete.

- As the tuning method differs depending on the TV you are using, refer to your TV’s operating instructions for details about tuning.

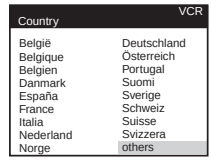
On Screen Display



Indication of the test pattern

7 Press the OK button ㉞.
The Country setting menu appears on the TV screen.

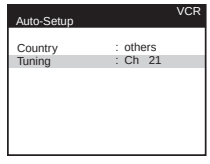
8 Press the Cursor buttons (▲▼◄►) ㉜ to select the country where you are using the VCR.



Menu for Country setting

9 Press the OK button ㉞ and the VCR’s Auto Setup automatically starts and tunes all available TV stations and also sets the clock. This takes about 5 minutes.

- If you select “Schweiz”, “Suisse” or “Svizzera” on the Country setting menu, see page 8.



Indication during Auto Setup

Indication when Auto Setup is complete

10 When the indication shown on the right appears on the VCR display, the Auto Setup is complete.

◆ **To Cancel the Auto Setup Before It Has Finished**
Press the EXIT button ㉝.

When the clock setting menu appears after Auto Setup has finished:
See page 8.

To Confirm that the TV Stations Have Been Tuned Correctly by the Auto Setup Function

See page 8.

If the Picture on the TV’s Video Playback Channel Is Distorted

If, after setup, you select the video playback channel on the TV and view a TV programme on a programme position selected on the VCR, some interference may occur in certain cases. If this happens, you can minimise the distortion by changing the RF output channel on the VCR to another number. Follow the operations below.

1 Set the VCR/TV switch ㉚ to “VCR”.

2 Press the MENU button ㉟ for more than 5 seconds.
The number of the RF output channel appears on the VCR display.
The initial setting is channel 36.

Indication when the RF output channel is 36 (example)

3 Press the numeric buttons ❷ to change the RF output channel.
Enter a channel number which differs by 2 or 3 from the one initially set number. For example, as the original number is 36, enter 39.

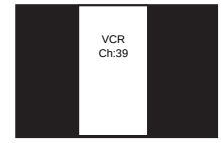
Indication after changing the RF output channel to 39 (example)

4 Press the OK button ㉞ to conclude the setting.

Note When You Have Changed the RF Output Channel:
After changing the RF output channel to a different number, be sure to retune your TV to the VCR’s new RF output channel. (For details about tuning, refer to your TV’s operating instructions.)

1 Press the MENU button ㉟ for more than 5 seconds.

2 When the test pattern shown on the right appears sharp and clear on the TV screen, the tuning is complete.



Test pattern indication

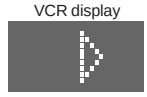
3 Press the EXIT button ㉝ to exit the On Screen Display.

Playback

Preparations
- Confirm that the VCR is on.
- Confirm that the TV is on and the VCR viewing channel is selected.
- Insert a recorded video cassette.

For Normal Playback:
Press the Play button ㉔.

VCR display



For Cue Playback:
During playback, tap the Fast Forward button ㉓.
- To return to normal playback, press the Play button ㉔.
- If you press and hold down the Fast Forward button ㉓, cue playback continues for as long as you keep the button pressed.

For Review Playback:
During playback, tap the Rewind button ⑧.
- To return to normal playback, press the Play button ㉔.
- If you press and hold down the Rewind button ⑧, review playback continues for as long as you keep the button pressed.

For Still Playback:
During playback, press the Pause/Slow button ❼.
- To return to normal playback, press the Play button ㉔ or the Pause/Slow button ❼.

For Slow Playback:
During playback, keep the Pause/Slow button ❼ pressed for 2 seconds or more.
- To return to normal playback, press the Play button ㉔.

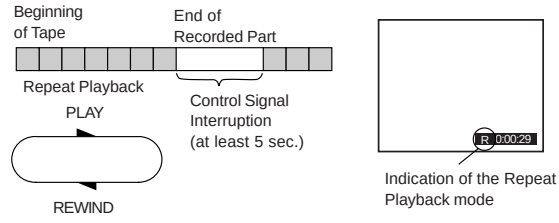
Fast-forwarding or Rewinding the Tape:
To fast-forward the tape:
Press the Fast Forward button ㉓ in the stop mode.

To rewind the tape:
Press the Rewind button ⑧ in the stop mode.
- To stop fast-forwarding or rewinding, press the Stop button ❾.
- To briefly view the picture during fast-forwarding or rewinding, press and hold down the corresponding button.

To Stop Playback
Press the Stop button ❾.

Notes:
- Cue, review or slow playback will be automatically cancelled after 10 minutes, and still playback after 5 minutes.
- During playback function other than normal playback, horizontal noise bars may appear in the picture, the colour of the picture may be unstable, or the picture may be otherwise distorted.
  When you play back a tape recorded in the LP mode, the picture may be in black and white. However, these are not malfunctions.

To Play Back a Recorded Part Repeatedly
Press the Play button ㉔ on the remote control for more than 5 seconds.
The “R” indication appears on the On Screen Display.
- If “OSD” is set to “OFF” (See page 26), the “R” indication will not appear in repeat playback mode.



To Cancel the Repeat Playback Mode:
Press the Stop button ❾.

To rewind the tape a little to view the same scene again (Replay Function)
If you want to view the same scene again, for example because you could not catch clearly what a person said, simply press the REPLAY button ❹, to rewind the tape a little from its present position and play it back again.
The direction in which the tape is rewound depends on what playback mode the VCR is in when you press the REPLAY button ❹.
- If you press the REPLAY button ❹ when the VCR is in the stop, rewind, fast-forward, slow playback, or standby (Off) mode, the Replay function does not work.

During Normal Playback, Cue Playback and Still Playback:
When you press the REPLAY button ❹, the VCR switches over to the review playback mode for a few seconds and then resumes normal playback.

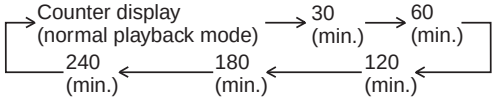
During Review Playback:
When you press the REPLAY button ❹, the VCR briefly switches over to Cue playback and then plays back at normal speed in forward direction from the point where the REPLAY button ❹ was pressed.

To Stop Playback Automatically (Playback Off Timer Function)

If you set the playback duration, the playback will stop automatically.
After the set playback time has elapsed, the VCR automatically stops playback and switches off.

To Activate the Playback Off Timer Function:
During normal playback, press the Play button ㉔ on the VCR for more than 2 seconds to put the VCR in the Playback Off Timer mode.
After that, press the Play button ㉔ on the VCR repeatedly until the desired playback duration is displayed on the VCR display.

- Repeatedly pressing this button changes the indication in the following order:



To Stop Midway:
Press the Stop button ⑨.

To Play Back NTSC Video Cassettes on Your PAL TV (Quasi-NTSC Playback Function) (NV-FJ610 Series only)

This VCR allows playback of tapes recorded in the NTSC system on a normal PAL system TV with the same operations as usual.
On some TVs, however, the playback picture may roll up or down.

- If your TV has a V-HOLD control or equivalent adjustment function, use it to try to stop the picture movement.

Convenient Automatic Functions

VCR Auto Power On
When you insert a video cassette, the VCR switches on automatically.

Auto Playback Start
When you insert a video cassette with a broken erasure prevention tab, playback start automatically without having to press the Play button ㉔.

VCR-off Playback
When the VCR is off, an inserted cassette can be played back by pressing the Play button ㉔.

Auto Rewind
When the tape reaches the end, the VCR automatically rewinds it to the beginning.

- This function does not work during timer recording and OTR.

Automatic Switching Off and Ejection
When the VCR is switched off, and inserted cassette can be ejected simply by pressing the EJECT button ㊶. The VCR will eject the cassette and automatically turn itself off again.

VCR-off Search
When the VCR is off, the VCR starts intro-jet scan of an inserted cassette by pressing the SEARCH button ㉘.

To Eject the Video Cassette Using the Remote Controller

Keep pressing Stop button ⑨ for at least 3 seconds.

Preparations

- Confirm that the VCR is on.
- Confirm that the TV is on and the VCR viewing channel is selected.
- Set the VCR/TV switch ㉚ to "VCR".

Operations

1 **Insert a video cassette with an intact erasure prevention tab.**
- If it has already been inserted, press the VCR-ON/OFF button ❶ to turn the VCR on.

2 **Select the TV station using the Channel buttons ㉙.**
- It is also possible to select by pressing the numeric buttons ❷.

VCR display

3 **Press REC (REC/OTR) button ㉕ (㊻) to start recording.**

4 **Press the Stop button ⑨ to stop recording.**

To Select the Desired Tape Speed

Press the SP/LP button ⑳ before recording.

- SP provides standard recording time and optimum picture quality.
  LP provides doubled recording time with slightly reduced picture quality.

To Pause Recording

Press the Pause/Slow button ❼ during recording.
Press again to continue recording.

To View One TV Programme while Recording Another TV Programme

After pressing the REC button ㉕ to start recording, select on your TV the programme position of the TV programme that you want to view.

Notes:

- When playing back an E300 cassette recorded in the LP mode, some picture distortion may occur. However, this is not a malfunction.
- The recording pause mode will be automatically cancelled after 5 minutes and return to the stop mode.

To Display the Approximate Remaining Tape Time

The remaining tape time can be displayed in the VCR display.

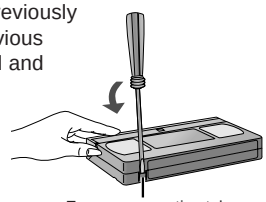
1 Press the TAPE button ⑱ and select the corresponding cassette tape length.
See page 26.

2 Press the OSD/DISPLAY button ⑤ repeatedly until the Remaining Tape Time appears on the VCR display.
- Pressing the OSD/DISPLAY button ⑤ once makes the On Screen Display appear; after that, pressing it repeatedly changes the indication in the following order:

For certain cassettes, the remaining tape time may not be displayed correctly.

To Prevent Accidental Erasure of Recorded Contents

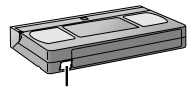
When you record again onto a previously recorded video cassette, the previous recording is automatically erased and replaced with the new recording. Therefore, to prevent accidental erasure of the recorded contents, break out the erasure prevention tab after recording.


Erasure prevention tab

Use a screwdriver or similar tool to break out the tab.

To Record Again onto the Video Cassette with a Broken Out Erasure Prevention Tab:

If you insert a video cassette with a broken out erasure prevention tab and press the REC button ㉕, the "⊙" indication flashes on the VCR display to indicate that recording is not possible. In this case, cover the tab hole with two layers of adhesive tape.


Adhesive tape

The adhesive tape substitutes for the prevention erasure tab and makes it possible to record again on this cassette.

To Select the Recording Duration and Perform Timer Recording (OTR Recording)

OTR means One-Touch Recording and is called this way, because you can start recording and select the recording duration by repeatedly pressing a single button. This is very convenient, for example when you want to start recording immediately but need to go out or want to go to bed.
After the selected recording duration has elapsed, recording stops and the VCR automatically switches off.

To Perform an OTR Recording:

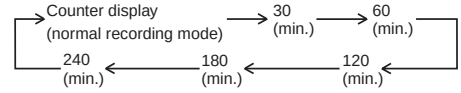
1 Display the VCR picture on the TV.

2 Insert a video cassette with an intact erasure prevention tab.

3 Press the Channel buttons ㉙ to select the programme position on which the TV programme to be recorded will be broadcast.

4 Press the REC/OTR button ㊻ to start recording.

5 Press the REC/OTR button ㊻ repeatedly to select the desired recording duration.
- Every time you press this button, the recording duration indicated in the VCR display changes in the following order.
- For example, if you select "30", the VCR records a programme from that moment on for 30 minutes.



To Stop the OTR Recording Before the End:
Press the Stop button ❾.

Linked Timer Recordings with a Digital Receiver

When the AV2 socket of this VCR is connected by a 21-pin cable to a Digital Receiver, it is possible to have timer recordings for a Digital Receiver execute automatically simply by switching the Digital Receiver into timer standby mode and then switching this VCR into timer recording standby mode.
- **Note that linked timer recordings may not work properly with some Digital Receivers.**

1 Make sure that "AV2" is set to "TIMER".
(See page 27.)

2 Insert a video cassette with an intact erasure prevention tab into the VCR.

3 Switch the Digital Receiver over to the timer standby mode.

4 Press the TIMER REC button ⑲ to switch the VCR over to the timer recording standby mode.
- This VCR does not require any further special timer recording operations.
- The recording will start at the date and time programmed for the Digital Receiver.

Notes:
- Always connect the Digital Receiver to be used for timer recordings to the AV2 socket of this VCR using a 21-pin cable.
- Linked timer recordings are not counted in the total time of timer recording programmings.
- Make sure that the date and time of the linked timer recording does not conflict with that of a VCR. If programmed recordings do overlap, either linked timer recording or timer recording of VCR have the priority.

Timer Recording

This function lets you programme the VCR for unattended automatic recording of desired TV programmes when you are not at home or sleeping.
You can programme timer recordings in two different ways:
- By entering the necessary information with the remote control while viewing the On Screen Display (OSD) on the TV screen (explained below) or;
- By entering the ShowView number published alongside the TV programme listings in newspapers and magazines (see page 14).

This VCR lets you programme up to 8 TV programmes (including weekly and daily programmes) for unattended recording up to one month in advance.

To Programme with the On Screen Display (OSD)

This method offers easy step-by-step programming with the remote control while you view the prompts on the TV screen.

Preparations
- Confirm that the VCR is on.
- Confirm that the TV is on and the VCR viewing channel is selected.
- Insert a video cassette with an intact erasure prevention tab.
- Set the VCR/TV switch ㉚ to "VCR".

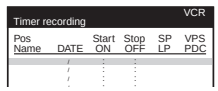
Example:
Programming the timer recording of a TV programme broadcast on programme position 2 (ZDF) from 20:00 to 21:30 on 27 October.

Follow the on screen operation guide.

Operations

1 **Press the PROG./CHECK button ⑫ to display the menu for programming timer recordings on the TV screen.**
- Alternatively, you can press the MENU button ㉟ and then select "Timer recording".

On Screen Display



2 **Press the Channel buttons ⑩ to select the programme position of the desired TV station.**
- As an alternative method, after pressing the Channel button ⑩, you can use the Cursor (▲▼◄►) ㉜.

3 **Press the DATE button ⑪ to set the date on which the TV programme will be broadcast.**

4 **Press the ON button ㉒ to set the starting time.**
- When it is kept pressed, the indication changes in 30-minute intervals.

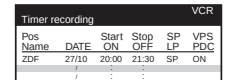
5 **Press the OFF button ㉑ to set the ending time.**

6 **Press the SP/LP button ⑳ to set the desired tape speed.**
- SP provides standard recording time and optimum picture quality.
  LP provides doubled recording time with slightly reduced picture quality.
  Regarding the "A" indication, refer to page 15.

7 **Press the Cursor button (▲▼◄►) ㉜ to set VPS/PDC to ON or OFF (– – –).**
- See page 15 for VPS/PDC recording.

8 **Press the TAPE button ⑱ to select the corresponding cassette tape length.**
(See page 26.)

9 **Press the OK button ㉞ to conclude the settings.**
- To programme additional timer recordings, repeat operation steps **2**–**9**.



10 **Press the TIMER REC button ⑲ to switch the VCR over to the timer recording standby mode.**
- Check that ⏲ is lit on the VCR display.
  If it is flashing, check the timer recording details again. (See page 15.)

To Suspend the Timer Recording Standby Mode

When you want to use the VCR for playback, normal recording or some other operation before the programmed timer recording will be performed, you can temporarily suspend the timer recording standby mode by pressing the TIMER REC button ⑲ so that the "⏲" indication on the VCR display disappears.

However, after you have finished using the VCR, be sure to reactivate the timer recording standby mode by pressing the TIMER REC button ⑲ again, otherwise the programmed timer recording will not be performed.

Note:
- If the VCR is not put in the timer recording standby mode at the latest 10 minutes before the programmed timer recording starting time, the "⏲" indication flashes on the VCR display. In this case, press the TIMER REC button ⑲ to put the VCR in the timer recording standby mode.

To Programme with the ShowView Function

The ShowView numbers assigned to each TV programme and published alongside the TV programme listings in newspapers and magazines make it extremely easy to set the VCR for timer recording.
The duration of a timer recording programmed with ShowView number may be slightly longer than the actual duration of the TV programme.

Preparations

- Confirm that the VCR is on.
- Confirm that the TV is on and the VCR viewing channel is selected.
- Insert a video cassette with an intact erasure prevention tab.
- Set the VCR/TV switch ㉚ to "VCR".

Example:
Programming a timer recording of a TV programme with the ShowView number 920126

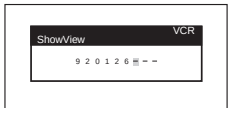
Operations

1 **Press the SHOW VIEW button ㉗ to display the menu for entering the ShowView number on the TV.**

2 **Press the Numeric buttons ❷ to enter the ShowView number.**

- If you have entered a wrong digit, press the Cursor button (◄) ㉜ and then enter the correct digit.

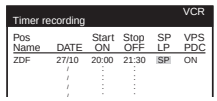
On Screen Display



3 **Press the OK button ㉞ to display the programmed content.**

4 **Press the SP/LP button ⑳ to set the desired tape speed.**

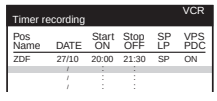
- SP provides standard recording time and optimum picture quality. LP provides doubled recording time with slightly reduced picture quality.
  Regarding the "A" indication, refer to page 15.
- To extend the ending time or to make any corrections, use the Cursor button (▲▼◄►) ㉜, the Channel buttons ⑩, the DATE button ⑪, the ON button ㉒, the OFF button ㉑, the SP/LP button ⑳.
- See page 15 for VPS/PDC recording.



5 **Press the TAPE button ⑱ to select the corresponding cassette tape length.**
(See page 26.)

6 **Press the OK button ㉞ again to conclude the settings.**

- To programme additional timer recordings, repeat operation steps **1**–**6**.



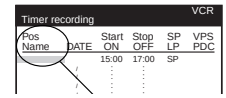
7 **Press the TIMER REC button ⑲ to switch the VCR over to the timer recording standby mode.**

- Check that "◷" is lit on the VCR display.
  If it is flashing, check the timer recording details again. (See page 15.)

If "– – " Appears under "Pos/Name" after Entering a ShowView Number

Pos/Name stands for Programme Position/TV Station Name. Normally, the name of the TV station or the number of the programme position is displayed under "Pos/Name".
However, if the TV station information was not automatically set during Auto Setup due to adverse reception conditions, the "– – " indication appears instead.
In such a case, follow the operation steps below to correct it.

Press the Channel buttons ⑩ repeatedly to select the programme position on which the TV programme to be recorded will be broadcast.



"– – " indication

After you have entered the information of a TV station, it remains stored in the VCR's memory, and you do not need to enter it again in the future.

To Suspend the Timer Recording Standby Mode

When you want to use the VCR for playback, normal recording or some other operation before the programmed timer recording will be performed, you can temporarily suspend the timer recording standby mode by pressing the TIMER REC button ⑲ so that the "◷" indication on the VCR display disappears.

However, after you have finished using the VCR, be sure to reactivate the timer recording standby mode by pressing the TIMER REC button ⑲ again, otherwise the programmed timer recording will not be performed.

Note:

- If the VCR is not put in the timer recording standby mode at the latest 10 minutes before the programmed timer recording starting time, the "◷" indication flashes on the VCR display. In this case, press the TIMER REC button ⑲ to put the VCR in the timer recording standby mode.

Setting the Recording Date/Day(s)

Perform this operation in operation step **3** when programming a timer recording with the On Screen Display, or in operation step **4** when programming with the ShowView number. (See pages 13 and 14.)
You can select the recording date (day of the month/day of the week) by pressing the DATE button ⓫. If you repeatedly press the + side of the DATE button ⓫, the indication changes in the order shown below. If you press the – side of the DATE button ⓫, the indication changes in the opposite order.

- Programming a timer recording (setting the date) is possible up to one month ahead of the TV programme's broadcasting date and time. Daily and weekly timer recordings will continue until you cancel them.

<To Programme within 1 Month>
Example: 1 2 31
↓
<To Programme a Daily Timer Recording>
Example: Daily recording from Sunday to Saturday (Su-Sa).
Daily recording from Monday to Saturday (Mo-Sa).
Daily recording from Monday to Friday (Mo-Fr).
↓
<To Programme a Weekly Timer Recording >
Example: Weekly recording every Sunday
Weekly recording every Monday
⋮
Weekly recording every Saturday
(Su = Sunday, Mo = Monday, Tu = Tuesday,
We = Wednesday, Th = Thursday, Fr = Friday, Sa = Saturday)

Ensuring that a TV Programme Will Be Recorded until Its End (Auto SP/LP Change Function)

If, at the start of a timer recording, the VCR determines that the remaining tape time is insufficient to record the whole programme, the Auto SP/LP Change function automatically selects LP mode to ensure that the whole programme will be recorded. However, if the remaining tape time is still not sufficient even in the LP mode, the programme cannot be recorded to its end.

- If you programme a daily or weekly timer recording, recording will be performed in the LP mode from the start regardless of the remaining tape time.
- In case of a timer recording programmed with the VPS/PDC function, if the TV programme continues past the programmed ending time, the VCR automatically switches over to the LP mode at that moment. However, in some cases it may not be possible to record the programme until its end.
- Use a video cassette on which a few minutes more than the total length of programmed timer recordings remain, otherwise the programmed timer recordings may be performed in the LP mode.
- Be careful that the broadcast times of the TV programmes set for timer recording do not overlap, otherwise the programmed timer recordings may be performed in the LP mode.
- If the recording speed changes from SP to LP during a timer recording, some brief picture distortion occurs at that point.

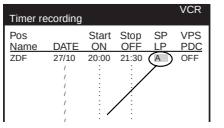
Condition for correct operation of the Auto SP/LP Change function:

- The tape length of the inserted cassette must be set correctly. (See page 26.)

To Activate the Auto SP/LP Change Function:
In operation step **6** when programming a timer recording with the On Screen Display (see page 13), or in operation step **4** when programming with the ShowView number (see page 14), press the SP/LP button ⓴ to select "A".

- When you press this button repeatedly, the indication changes in the following order:

SP → LP
A ←



Indication when "A" is selected

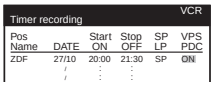
Setting for Control of the Recording Starting and Ending Time by Special Signal Included in the Broadcasting Signal (VPS/PDC Function)

VPS stands for Video Programme System.
PDC stands for Programme Delivery Control.
If a TV programme, for example a football game runs longer than scheduled, is shortened or starts earlier or later, this function synchronises the recording start and stop with the actual broadcasting start and stop of the TV programme.

Conditions for correct operation of the VPS/PDC function:

- "ON" must be displayed under "VPS/PDC" on the On Screen Display.
- The TV station must broadcast VPS/PDC signals.
- The programme starting time must be set correctly to the starting time listed in the newspaper/magazine.

To Activate the VPS/PDC Function:
After operation step **6** when programming a timer recording with the On Screen Display (see page 13), or in operation step **4** when programming with the ShowView number (see page 14), press the Cursor buttons (▲▼◄►) ㉜ to make the ON indication appear.
See page 29 for details.



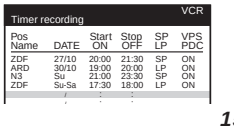
To Check the Contents of Timer Recording Programmings

- Display the VCR picture on the TV.
- Set the VCR/TV switch ㉚ to "VCR".

1 Press the PROG./CHECK button ⓬ to display the timer recording programmings on the TV screen.

- When the VCR is in the timer recording standby mode for a VPS/PDC recording, the On Screen Display may be distorted.

2 Press the EXIT button ㉝ to exit the On Screen Display.


VCR
Timer recording
Pos Name DATE Start ON Stop OFF SP LP VPS PDC
ZDF 27/10 20:00 21:30 SP ON
ARD 30/10 19:00 20:00 LP ON
N3 Su 21:00 23:30 SP ON
ZDF Su-Sa 17:30 18:00 LP ON

To Change a Timer Recording Programming

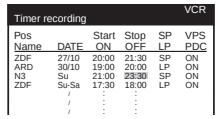
It is not possible to change a programming while the timer recording is being performed.

- Display the VCR picture on the TV.
- Set the VCR/TV switch ㉚ to "VCR".

1 Press the PROG./CHECK button ⑫ to display the timer recording programmings on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select the programming that you want to change.

3 Follow the operations below to change the programmed contents.
To change the broadcasting station:
Use the Channel buttons ⑩.
To change the date of the timer recording:
Use the DATE button ⑪.
To change the recording starting time:
Use the ON button ㉒.
To change the recording ending time:
Use the OFF button ㉑.
To change the recording speed:
Use the SP/LP button ⑳.


VCR
Timer recording
Pos Name DATE Start ON Stop OFF SP LP VPS PDC
ZDF 27/10 20:00 21:30 SP ON
ARD 30/10 19:00 20:00 LP ON
N3 Su 21:00 23:30 SP ON
ZDF Su-Sa 17:30 18:00 LP ON

4 Press the OK button ㉞ to conclude the setting.

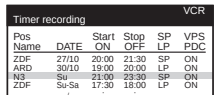
5 Press the EXIT button ㉝ to exit the On Screen Display.

To Cancel the Programming of a Timer Recording

It is not possible to cancel a programming while the timer recording is being performed.

- Display the VCR picture on the TV.
- Set the VCR/TV switch ㉚ to "VCR".

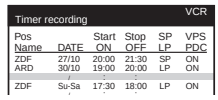
1 Press the PROG./CHECK button ⑫ to display the timer recording programmings on the TV screen.


VCR
Timer recording
Pos Name DATE Start ON Stop OFF SP LP VPS PDC
ZDF 27/10 20:00 21:30 SP ON
ARD 30/10 19:00 20:00 LP ON
N3 Su 21:00 23:30 SP ON
ZDF Su-Sa 17:30 18:00 LP ON

2 Press the Cursor buttons (▲▼) ㉜ to select the programming that you want to cancel.

3 Press the CANCEL ⑭ button.

4 Press the EXIT button ㉝ to exit the On Screen Display.


VCR
Timer recording
Pos Name DATE Start ON Stop OFF SP LP VPS PDC
ZDF 27/10 20:00 21:30 SP ON
ARD 30/10 19:00 20:00 LP ON
ZDF Su-Sa 17:30 18:00 LP ON

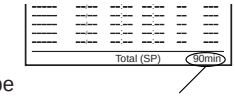
Notes for Cancelling the Programming of a Timer Recording

In some cases, for example as listed below, the programming of a timer recording remains stored in the memory until 4 a.m. the next day. However, this is not a malfunction.

- When a timer recording was not performed up to the TV programme's ending time because the remaining tape time was not sufficient.
- When you have stopped the timer recording while it was being performed.

To Check the Total Timer Recording Programming Time

The total time indication for timer recording programming lets you check how many programmes can be recorded by comparing with the remaining tape time in the VCR display.



Indication for a total timer recording programming time of 90 minutes

- The total time is calculated in the SP mode.
- The total time cannot be calculated when setting Daily/Weekly timer recording.

To select a Timer-Recorded Programme from the List and Quickly Locate Its Beginning for Automatic Playback (Programme List Search)

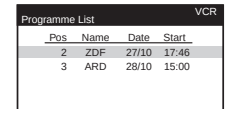
This VCR can display a list of the timer-recorded programmes on the inserted video cassette on the TV screen. You can then select the desired programme, and the VCR will quickly locate its beginning and start playback.

Conditions for correct operation of the Programme List Search function:

- The video cassette must not have been ejected after the timer recordings were performed.
- The tape length of the inserted cassette must be set correctly.
- The VCR must not be in the timer recording standby mode.
- A programme of at least 15 minutes must be recorded on the tape.
- If a timer recording was performed onto a recorded video cassette, the previous recording must have been completely erased by the new recording.

Preparation

- Display the VCR picture on the TV.



Operations

1 Press the SEARCH button ㉘ to display the Programme List menu.

2 Press the Cursor buttons (▲▼) ㉜ to select the programme that you want to locate and play back.

3 Press the SEARCH button ㉘ to start the search for the beginning of the selected programme.
- After the desired recorded programme has been found, playback starts automatically.
- If, after playback has started, you want to search for the beginning of the same or another programme, press the SEARCH button ㉘.
Playback stops, and the Programme List menu appears.
Repeat the above operations steps **2**–**3**.

To Cancel the Programme List Search:
Press the EXIT ㉝ button.

Hints:

- When you press the SEARCH button ㉘ in the operation step **1**, the last timer-recorded programme is selected (highlighted).
- If you take out the cassette or insert another cassette after a timer recording has finished, pressing the SEARCH button ㉘ activates the Intro-Jet Scan instead of the Programme List Search. (Refer to page 17.)
- If you programme linked timer recordings, Programme List Search function does not work.

To Quickly Find the Beginning of a Desired Programme (VISS=VHS Index Search System)

This VCR automatically records special index signals on the tape every time a recording is started. The Index search function makes use of these index signals to let you find the beginning of a desired programme quickly and easily.

Index signals are automatically recorded in the following cases:
- When you start a recording by pressing the REC button ㉕, or REC/OTR button ㊻.
- When a timer recording starts.
- When you press the REC button ㉕ on the remote control during recording.

Conditions for correct operation of the Index search function:
- The VCR must be in the stop mode or in the playback mode.
- Each programme recorded on the tape must be at least 5 minutes long.

Preparations
- Display the VCR picture on the TV.
- Insert a recorded video cassette.

Operation

1 Press the INDEX button ㉖ (that corresponds to the direction from the current tape position in which the desired programme is located on the tape) to start the index search. For example, if you want to search for the 2nd recorded programme in forward direction, press the INDEX ►►I button ㉖ twice.

- The VCR fast-forwards or rewinds the tape and searches for the specified index signal (the beginning of the desired recorded programme). When it has been found, playback starts automatically.

To Cancel the Index Search or to Stop Playback:
Press the Stop button ❾.

Hints:
- Searching in either direction is possible up to the 20th index signal.
- If you press either of the INDEX buttons ㉖ too many times, simply press the other INDEX button ㉖ (indicating the opposite direction) to correct it. In this way, you can reduce the displayed figure down to 1.
- The figure on the VCR display decreases by 1 every time an index signal is located.

To Search for a Desired Programme While Checking the Recorded Contents on a Cassette (Intro-Jet Scan)

This VCR automatically records special index signals on the tape every time a recording starts. The Intro-Jet Scan function makes use of these index signals to play back the beginning of each programme recorded on the cassette one after another at high speed. This lets you quickly and easily check the contents of a cassette and find a desired programme.

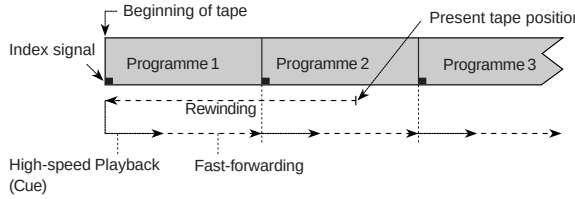
Index signals are automatically recorded in the following cases:
- When you start a recording by pressing the REC button ㉕, or REC/OTR button ㊻.
- When a timer recording starts.
- When you press the REC button ㉕ on the remote control during recording.

Conditions for correct operation of the Intro-Jet Scan function:
- The cassette must have been ejected after the timer recordings were performed.
- VCR must be switched on, be in the playback mode or be in the standby mode.
- Each programme recorded on the tape must be at least 15 minutes long.

Preparations
- Display the VCR picture on the TV.
- Insert a recorded video cassette.

Operations

1 Press the SEARCH button ㉘ to start the Intro-Jet Scan.
- After rewinding the tape to the beginning, the VCR plays it back at high speed for approximately 10 seconds. It then fast-forwards the tape to the next tape position marked by an index signal (beginning of a programme), and every time an index signal is found, the VCR switches over to high-speed playback (Cue) for about 10 seconds.



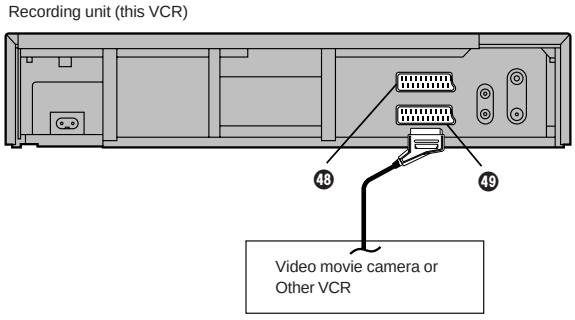
2 When you have found the programme that you want to view, press the Play button ㉔ to start normal playback.

To Cancel the Intro-Jet Scan or to Stop Playback:
Press the Stop button ❾.

Note:
- If you press the SEARCH button ㉘ after a timer recording has finished, but before ejecting that cassette, the Programme List Search (for details, see page 16) will be activated instead of the Intro-Jet Scan.

Assemble Editing

The assemble editing function makes it easy to record the picture and sound of virtually any number of scenes or programmes in succession.
Assemble editing from an external source, for example from a movie camera, can be performed in the same way.



Preparations

- Connect a video movie camera or a VCR to this VCR with a 21-pin Scart cable, as shown in the illustration.
- Display the VCR picture on the TV.
- Insert the cassette on which the assemble editing is to be performed, and make sure that its erasure prevention tab is not broken out.
- Set the VCR/TV switch ㉚ to "VCR".
- Press the INPUT SELECT button ❸ to select the AV Input (external input) "A1" or "A2" according to the socket(s) on the VCR to which the source unit has been connected.

  A1: When connected to the AV1 21-pin Scart socket ㊽
  A2: When connected to the AV2 21-pin Scart socket ㊾
  - Make sure that "AV2" is set to "EXT". (See page 27.)

Operations

1 Press the Play button ㉔ to start playback.

2 At the point where you want to join a new scene, press the Pause/Slow button ❼ to put it in the still playback mode.

3 Press the REC button ㉕ to put it in the recording pause mode.

4 Start playback on the source unit and search for the point from which you want to record (copy) onto this VCR.

5 When that point is reached, press the Pause/Slow button ❼ again to start recording the new picture and sound from the playback unit.

6 To record (copy) additional scenes, press the Pause/Slow button ❼ to put this VCR in the recording pause mode and then perform above steps **4** and **5** again.

7 At the point where you want to stop recording, press the Stop button ❾ to finish recording.

Hint:

- The new sound is recorded on both the Hi-Fi audio tracks and the normal audio track. The sound recorded on the normal audio track is always in mono.

Note:

- If you leave the VCR in the recording pause mode for more than 5 minutes in step **3** or **6**, the VCR automatically switches over to the stop mode to protect the video heads.

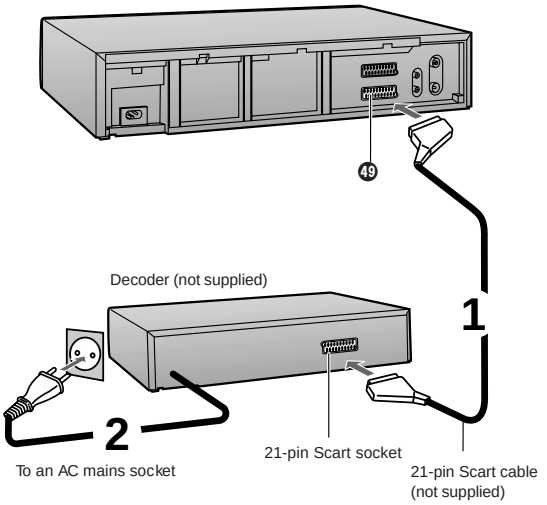
Connecting the VCR to a Decoder/ Connecting the VCR to a Stereo Amplifier

To connect this VCR to a decoder or a stereo amplifier, make the connections shown in the illustration below.
For the connection to the TV, see page 7.
.
For details about the connection, also read the operating instructions of the decoder or stereo amplifier.

Be sure to keep the VCR, TV and decoder or stereo amplifier switched off until you have finished all connections.
For your safety, do not connect or handle the equipment with wet hands.

To Connect the VCR to a Decoder

Decoder here refers to the device used to decode scrambled broadcasts (Pay TV).



1 Connect a 21-pin Scart cable (not supplied) to the AV2 21-pin Scart socket 49 on the VCR and to the 21-pin Scart socket on the decoder.

2 Connect the decoder's mains lead to an AC mains socket.

3 Set "AV2" to "DECODER".
For details, see page 27.

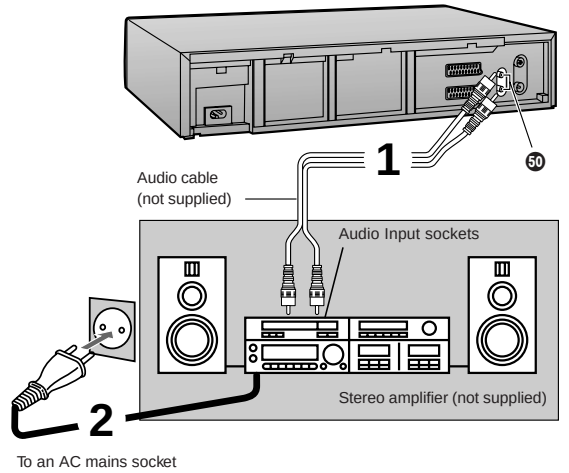
AV Link Function
If the VCR is connected to the TV via a 21-pin Scart cable, you can use AV LINK button 17 to switch the TV from normal TV reception over to the video playback channel (AV input) (and vice versa). In the VCR mode (when the VCR indication in the VCR display is lit), the TV is switched to the video playback channel (AV input). In the TV mode (when the VCR indication is not lit), the TV is switched to TV reception.

	VCR	TV
VCR Mode	VCR indication is lit.	AV Input is selected.
TV Mode	VCR indication is not lit.	TV reception is selected.

- When you press the MENU button 35 to display the menu on the TV screen, the TV is also automatically switched to the VCR mode, however, the VCR indication does not appear in this case.
- When you start playback on the VCR, the TV is automatically switched to the VCR mode. However, during playback, it is not possible to switch the TV back to the TV mode.
- If a Pay TV station has been selected on the VCR when you switch to the TV mode, the picture on the TV is scrambled when you select a Pay TV station on the TV. In this case, either switch to the VCR mode or select the AV input on the TV.

Hint:
"RGB" means separate Red/Green/Blue colour signals. If you connect a TV equipped with RGB input capability to the AV1 socket 48 on this VCR, and a decoder equipped with RGB output capability to the AV2 socket 49, the TV can receive RGB signal input from the decoder via the VCR.

To Connect the VCR to a Stereo Amplifier



1 Connect an Audio cable (not supplied) to the Audio Output sockets 50 on the VCR and to Audio Input sockets on the stereo amplifier.

2 Connect the stereo amplifier's mains lead to an AC mains socket.

Connecting the VCR to a Satellite Receiver or Digital Receiver

Satellite receiver here includes a digital receiver.

The connection method differs depending on the type of your satellite receiver.

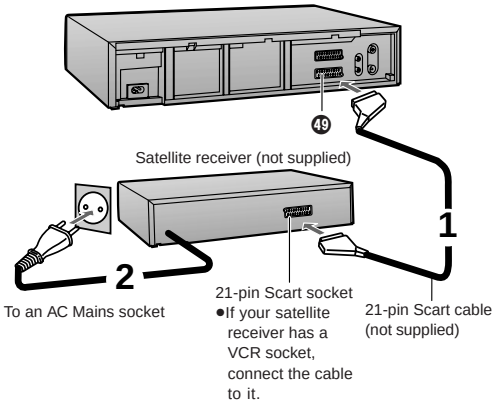
For details about the connection, also read the satellite receiver's operating instructions.

If the Satellite Receiver is Equipped with a 21-pin Scart Socket

If your satellite receiver is equipped with a 21-pin Scart socket, use a 21-pin Scart cable to connect the VCR.

For the connection to the TV, refer to page 7.

Be sure to keep the VCR, TV and satellite receiver switched off until you have finished all connections.
For your safety, do not connect or handle the equipment with wet hands.


49
Satellite receiver (not supplied)
1
2
To an AC Mains socket
21-pin Scart socket
●If your satellite receiver has a VCR socket, connect the cable to it.
21-pin Scart cable (not supplied)

1 Connect a 21-pin Scart cable (not supplied) to the AV2 21-pin Scart socket 49 on the VCR and to the 21-pin Scart socket on the satellite receiver.

2 Connect the satellite receiver's mains lead to an AC mains socket.

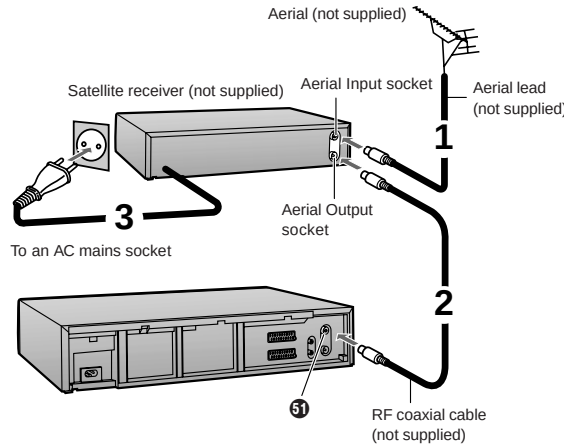
3 Set "AV2" to "EXT" or "TIMER".
For details, see page 27.

If the Satellite Receiver Is Not Equipped with a 21-Pin Scart Socket

In case your satellite receiver is not equipped with a 21-pin Scart socket, use the RF coaxial cable to connect it to the VCR.

For the connection to the TV, refer to page 7.

Be sure to keep the VCR, TV and satellite receiver switched off until you have finished all connections.
For your safety, do not connect or handle the equipment with wet hands.



1 Connect the aerial lead to the Aerial Input socket on the satellite receiver.

2 Connect the RF coaxial cable to the Aerial Output socket on the satellite receiver and to the Aerial Input socket 51 on the VCR.

3 Connect the satellite receiver's mains lead to an AC mains socket.

Hint:

- The RF output channel of the satellite receiver should be adjusted away from channel 36, which is used by the VCR, e.g. re-adjust to channel 33.

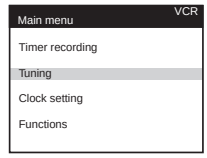
Tuning and Assigning the TV Stations Available in Your Area to the Programme Positions (Manual Tuning)

This VCR has 99 programme positions that can be preset to receive TV stations.
Usually, if you switch the VCR on for the first time after making the necessary connections, the VCR will start the Auto Setup function automatically so that all available TV stations in the area can be received.
However, if Auto Setup is not successful due to extraordinary transmission circumstances, or if you want to change the name of a TV station or change a TV station from its regular programme position to one of your preference, you can set it up manually. This is called Manual Tuning.

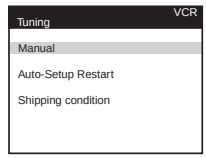
Preparation
- Set the VCR/TV switch ㉚ to "VCR".

To Change the Order in Which the TV Stations Are Assigned to the Programme Positions

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

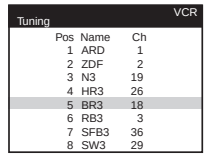


2 Press the Cursor buttons (▲▼) ㉜ to select "Tuning" then press the OK button ㉞.



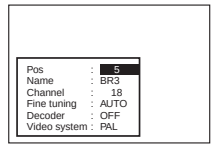
3 Press the Cursor buttons (▲▼) ㉜ to select "Manual" then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼) ㉜ to select the TV station that you want to assign to a different programme position.



5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for "Pos".



7 Press the Numeric buttons ❷ to enter the number of the desired programme position.

8 Press the OK button ㉞ to conclude the setting.

9 Press the EXIT button ㉝ to exit the On Screen Display.

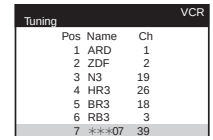
To Enter or Change the Name of a TV Station

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Tuning" then press the OK button ㉞.

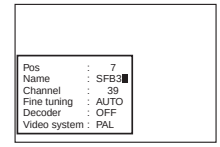
3 Press the Cursor buttons (▲▼) ㉜ to select "Manual" then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select a programme position whose TV station name is indicated as ∗□□□□.



5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for "Name".



7 Use the Cursor buttons (▲▼◄►) ㉜ and OK button ㉞ to enter the station name.
- If the station name needs a blank space, select the blank between "Z" and "∗".

8 Press the EXIT button ㉝ to exit the On Screen Display.

Hint:
- If you want to abort the entering or changing of the TV station name in step **7** above, press the EXIT button ㉝. However, as the characters that you have entered are stored as the station name, be sure to enter the correct name.

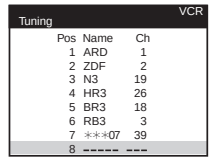
To Enter Newly Available TV Stations

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

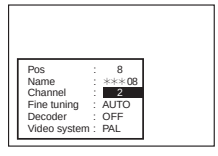
3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select an unused programme position.



5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Numeric buttons ❷ to enter the channel number of the desired TV station.
- Wait a few moments until the desired TV station has been tuned.



7 Press the OK button ㉞ to conclude the setting.

8 Press the EXIT button ㉝ to exit the On Screen Display.

To Change the Channel Number of an Already Tuned TV Station:
You can change it in the same way as explained above. However, in step **4** select the programme position of the TV station that you want to change to another channel number, and after pressing the OK button ㉞ in step **5**, use the Cursor buttons (▲▼◄►) ㉜ to select the entry field for “Channel”.

List of TV Reception Channels

Channel Indication	TV Channel	
	Germany/Italy	Other Countries
2–12	*E2–E12	E2–E12
13–20	A–H (Only Italy)	—
21–69	21–69	21–69
74–78	S01–S05	S1–S5
80–82	S1–S3	M1–M3
83–89	S4–S10	M4–M10
90–99	S11–S20	U1–U10
121–141 Hyperband	**S21–S41	S21–S41

* In Italy: H1...(11), H2...(12)
** Only for 8 MHz channel raster

To Obtain the Best Tuning Condition

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

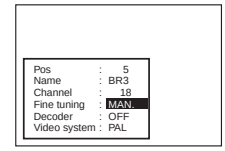
2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select the TV station for which you want to obtain the best tuning condition.

5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for “Fine tuning”.



7 Press the Cursor buttons (▲▼) ㉜ to obtain the best tuning condition.
- If you do not want to change the tuning condition, press the Cursor button (►) ㉜ to return to the original condition (AUTO).

8 Press the OK button ㉞ to conclude the setting.

9 Press the EXIT button ㉝ to exit the On Screen Display.

To Preset Pay TV Stations

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

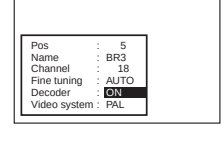
2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select the pay TV station.

5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for “Decoder”.



7 Press the Cursor buttons (▲▼) ㉜ to select “ON”.
ON: To preset pay TV stations.
OFF: To preset normal TV stations.

8 Press the OK button ㉞ to conclude the setting.

9 Press the EXIT button ㉝ to exit the On Screen Display.

To Change the Type of Video System (Colour TV system)

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

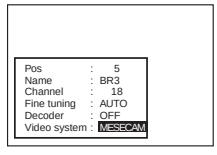
2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select the TV station for which you want to change the type of video system.

5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for “Video system”.



7 Press the Cursor buttons (▲▼) ㉜ to change the type of video system “PAL” or “MESECAM”.

PAL: For receiving PAL signals.
MESECAM: For receiving SECAM signals.

8 Press the OK button ㉞ to conclude the setting.

9 Press the EXIT button ㉝ to exit the On Screen Display.

To Select the Type of Sound to Be Recorded (NV-FJ610EC/ECM/ECY Series, FJ606EC/ ECM Series, FJ604ECM Series)

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

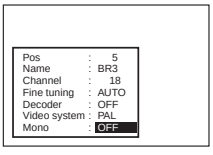
2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select the desired TV station.

5 Press the OK button ㉞ to display the Manual Tuning menu.

6 Press the Cursor buttons (▲▼◄►) ㉜ to select the entry field for “Mono”.



7 Press the Cursor buttons (▲▼) ㉜ to select “OFF”.

- Select “ON” if you want to record the normal (mono) sound on the Hi-Fi audio tracks during a stereo, bilingual or NICAM broadcast, or if the stereo sound is distorted due to inferior reception conditions.

8 Press the OK button ㉞ to conclude the setting.

9 Press the EXIT button ㉝ to exit the On Screen Display.

To Facilitate the Following Operations with the Instruction Indications on the On Screen Display

- To delete a programme position
- To insert a blank programme position
- To move a TV station to another programme position

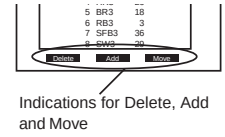
Use the coloured instruction indications displayed below the list of tuned TV stations and the corresponding coloured buttons.

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Manual” then press the OK button ㉞ to display the list of tuned TV stations.

4 Press the Cursor buttons (▲▼◄►) ㉜ to select the desired TV station.



Indications for Delete, Add and Move

5 Follow the operations below.
To delete a programme position (Delete):
Press the Channel button (∧, red) ⑩.
To insert a blank programme position (Add):
Press the DATE button (+, green) ⑪.
To move a TV station to another programme position (Move):
Press the ON button (+, yellow) ㉒, and then use the Cursor buttons (▲▼) ㉜ to select the new programme position to which you want to assign the TV station.

6 Press the OK button ㉞ to conclude the setting.

7 Press the EXIT button ㉝ to exit the On Screen Display.

Hint:

- If you have performed Manual Tuning to enter TV stations, the “– –” indication may appear under “Pos/Name” on the On Screen Display when programming a ShowView timer recording.

Restarting the Auto Setup/ Resetting the VCR to the Shipping Condition

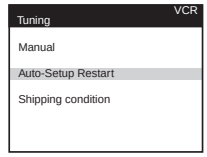
Performing Auto Setup automatically tunes all TV stations available in your area for the VCR.
Restarting this function is convenient when you move to another area and may need to set up the VCR again.

To Restart the Auto Setup

To perform the Auto Setup again, follow the operation steps below.

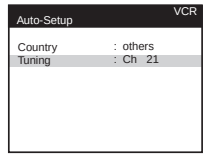
1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.



3 Press the Cursor buttons (▲▼) ㉜ to select “Auto-Setup Restart” then press the OK button ㉞ to prepare for Auto Setup start.

4 Press the OK button ㉞ again to actually start the Auto Setup.



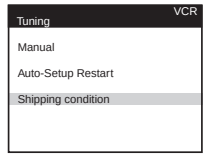
To Return the VCR to the Shipping Condition

If you want to reset the VCR to the factory preset condition, follow the operation steps below.

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Tuning” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼) ㉜ to select “Shipping condition” then press the OK button ㉞ to prepare for resetting the VCR to the shipping condition.



4 Press the OK button ㉞ to actually change the settings back to the shipping condition.
- To re-tune the VCR, disconnect and reconnect the AC Mains Cable.

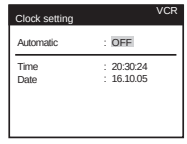
Setting the VCR's Clock

Usually, the VCR's Auto Setup function automatically adjusts the clock to the correct time.
Under some reception conditions, however, the VCR cannot set the clock automatically.
In this case, follow the operation steps below to manually set the clock.

To Manually Adjust the Clock

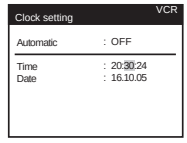
1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Clock setting" then press the OK button ㉞.
- The Clock setting menu appears on the TV.



3 Confirm that "Automatic" is set to "OFF", and then press the OK button ㉞.

4 Use the Cursor buttons (▲▼◄►) ㉜ to set the date and time.
- Instead of the Cursor buttons (▲▼◄►) ㉜, you can also use the numeric buttons ❷ to set the date and time.



5 Press the OK button ㉞ to conclude the setting.

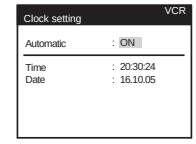
6 Press the EXIT button ㉝ to exit the On Screen Display.

To Activate the Automatic Time Correction Function

If a TV station transmits a signal for time setting, performing the operation steps below activates the Automatic time correction function and the time is corrected automatically.

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Clock setting" then press the OK button ㉞.
- The Clock setting menu appears on the TV.



3 Use the Cursor buttons (▲▼) ㉜ to set "Automatic" to "ON".

4 Press the OK button ㉞ to conclude the setting.
- Under adverse reception conditions, etc., the Automatic time correction function may not work. In this case, the indication for "Automatic" is automatically reset to "OFF".
  If the reception conditions improve later on, it may be possible to activate this function.

5 Press the EXIT button ㉝ to exit the On Screen Display.

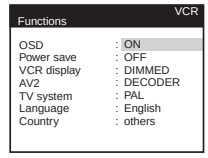
Hints:
- If "Automatic" is set to "ON" when you open the Clock screen, do not set it to "OFF", otherwise, the automatic time correcting function is deactivated.
- The built-in clock employs the 24-hour system.
- In case of a power failure, an automatic back-up system automatically maintains the operation of the clock for at least 60 minutes.
- When "Automatic" on the Clock setting menu is set to "ON", the automatic time correction function checks and if necessary adjusts the time several times every day.
  The automatic time correction function only works when the VCR is switched off; it does not work in the timer recording standby mode.
- If "Automatic" is set to "OFF" and "Power save" to "ON" (see page 27), the time may not be maintained correctly. In this case, manually adjust the clock.
- If "Automatic" is set to "ON" and "Power save" to "ON", the Automatic time correction function does not work while the VCR is turned off. However, as soon as it is turned on, the Automatic time correction function is activated and the clock is set correctly.

Other Convenient Functions (Various Settings)

For Automatic Display on the TV Screen of the TV Station Information, etc.

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Functions” then press the OK button ㉞.



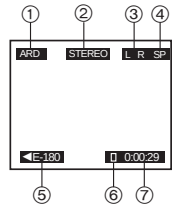
3 Press the Cursor buttons (▲▼◄►) ㉜ to select “OSD” and the entry field for “OSD” in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select “ON”.
- The TV station information, type of sound system of the programme being watched and the sound playback mode are displayed on the TV screen.

5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

Indications that Can Be Displayed on the TV Screen with This Function:
At a press of the OSD/DISPLAY button ❺, the following indications appear on the TV screen.



① **TV station name**

② **STEREO or BILINGUAL Indicator (NV-FJ610EG/EGY Series, FJ606EG/EGY Series, FJ604EG Series)**
When receiving a TV programme, the type of sound system in which it is broadcast is automatically indicated.

STEREO, M1 and M2 Indicator (NV-FJ610EC/ECM/ECY Series, FJ606EC/ECM Series, FJ604ECM Series)
When receiving a TV programme with the Stereo, Bilingual or NICAM sound system, the type of sound system in which it is broadcast is automatically indicated.
STEREO: When receiving a Stereo/NICAM stereo broadcast.
M1/M2: When receiving a Bilingual/NICAM dual-sound broadcast.
M1: When receiving a NICAM monaural broadcast.

③ **Sound mode during playback (L/R)**
At each press of the AUDIO button ⓯, the selected playback sound is indicated with L (Left) and R (Right).
Stereo playback:
The L and R indications are displayed.
Left audio channel playback:
The L indication alone is displayed.
Right audio channel playback:
The R indication alone is displayed.
Playback of normal audio track:
Neither L nor R indication is displayed.

④ **Tape speed indicator**

⑤ **Tape length indicator**
At each press of the TAPE button ⓲, the selected tape length is indicated.
◄E-180: For E30, -60, -90, -120 and -180 tapes
E-195: For E195 tape
E-240: For E240 tape
E-260 ►: For E260 and -300 tapes
- Even if you have selected the correct tape length, the remaining tape time may not be indicated correctly with certain kinds of cassettes.

⑥ **Tape running display**

Stop	□
Rewind	◄◄
Fast Forward	►►
Playback	▷
Recording	●
Repeat Playback	R

⑦ **Present time/Tape counter/Remaining tape time/Index Search/One-Touch Recording (OTR) /Playback Off Timer Function**

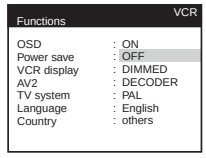
Present time	17:24:31
Tape counter	–2:35.47
Remaining tape time	REMAIN 2:34
Index Search	►► 02
One-Touch Recording (OTR)	OTR 60
Playback Off Timer Function	30

Notes:
- If “OSD” is set to “OFF”, none of the above indications appear.
- None of the above indications appear during special playback.
- During playback and when the AV input for the external source is selected, indications ① and ② do not appear.
- Some of the above indications do not appear when using NTSC tapes.

For Reduced the VCR's Power Consumption When the VCR Is Switched Off

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Functions" then press the OK button ㉞.



3 Press the Cursor buttons (▲▼◄►) ㉜ to select "Power save" and the entry field for "Power save" in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select "ON" or "OFF".

ON: In this setting, the power consumption is greatly minimised when the VCR is turned off (Standby mode). In this case, the following happens:
- The item "VCR display" is automatically set to "OFF".
- To turn the VCR on, keep the VCR-ON/OFF button ❶ pressed on the VCR main unit. It is not possible to turn it on with the remote control.
- The Power save function works only when the VCR is turned off (Standby mode). It does not operate in the timer recording standby mode. After all programmed timer recordings have been made, and after all programmed data have been erased, the VCR switches over to the Power save mode.
- When the VCR is off, Pay TV programmes cannot be watched on the TV because the signal from the connected decoder is not looped through. To watch them, turn on the VCR.

OFF: In this setting, the power consumption is not reduced when the VCR is turned off (Standby mode).

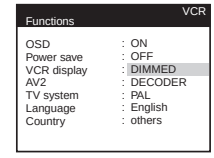
5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

For Automatic Change of the Brightness of the VCR Display When the VCR Is Switched Off

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Functions" then press the OK button ㉞.



3 Press the Cursor buttons (▲▼◄►) ㉜ to select "VCR display" and the entry field for "VCR display" in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select the desired condition.
- When the VCR is switched off, the brightness of the VCR display is as follows:
  ON: Indications are brightly lit.
  OFF: Indications are not lit.
  DIMMED: Indications are dimly lit.

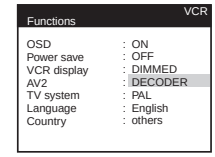
5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

To Set the Type of External Source Equipment that Is Connected to the AV2 21-pin Scart Socket

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select "Functions" then press the OK button ㉞.



3 Press the Cursor buttons (▲▼◄►) ㉜ to select "AV2" and "DECODER", "TIMER" or "EXT" in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select the type of external source equipment which is connected to the VCR's AV2 21-pin socket.
- Set the external source equipment as follows:
  DECODER: When a decoder is connected.
  TIMER: When a digital receiver is connected.
  - When this is set, it is possible to have timer recordings for a Digital Receiver execute automatically simply by switching the Digital Receiver into timer standby mode and then switching this VCR into timer recording standby mode. (See page 12.)

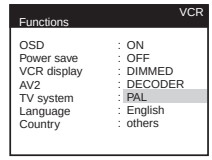
  EXT: When another VCR or a satellite receiver is connected.

5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

To Set the Colour TV System Used During Playback or Recording from an External Source

1 Press the MENU button ㉟ to display the Main menu on the TV screen.



2 Press the Cursor buttons (▲▼) ㉜ to select “Functions” then press the OK button ㉞.

3 Press the Cursor buttons (▲▼◄►) ㉜ to select “TV system” and “PAL/MESECAM” in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select the type of colour TV system (PAL or MESECAM) to be used during playback or during recording from an external source.

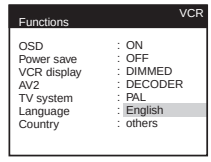
5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

Language Setting

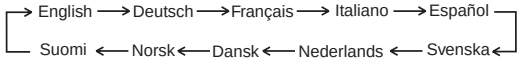
1 Press the MENU button ㉟ to display the Main menu on the TV screen.

2 Press the Cursor buttons (▲▼) ㉜ to select “Functions” then press the OK button ㉞.



3 Press the Cursor buttons (▲▼◄►) ㉜ to select “Language” and the entry field for “Language” in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select the desired language.
Pressing the Cursor button (▼) ㉜ repeatedly changes the indication in the following order:



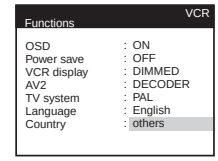
5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

Country Setting

1 Press the MENU button ㉟ to display the Main menu on the TV screen.

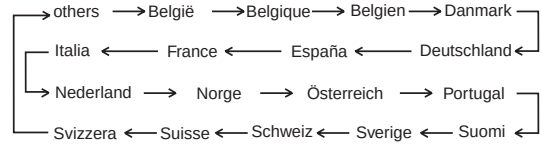
2 Press the Cursor buttons (▲▼) ㉜ to select “Functions” then press the OK button ㉞.



.

3 Press the Cursor buttons (▲▼◄►) ㉜ to select “Country” and the entry field for “Country” in this order.

4 Press the Cursor buttons (▲▼) ㉜ to select the desired country.
Pressing the Cursor button (▼) ㉜ repeatedly changes the indication in the following order:


others → België → Belgique → Belgien → Danmark
Italia ← France ← España ← Deutschland
Nederland → Norge → Österreich → Portugal
Svizzera ← Suisse ← Schweiz ← Sverige ← Suomi

5 Press the OK button ㉞ to conclude the setting.

6 Press the EXIT button ㉝ to exit the On Screen Display.

VPS (Video Programme System)/ PDC (Programme Delivery Control)

The Video Programme System (VPS) or the Programme Delivery Control (PDC) is a very convenient system which assures that the TV programmes you have programmed for timer recording will be recorded exactly from beginning to end, even if the actual broadcasting time differs from the scheduled time due to delayed start or extension of the programme duration. Also, if a programme is interrupted and, for example, some special news is inserted, the recording will also be interrupted automatically and resumed when the programme continues.
Depending on the signals sent from the TV stations, the VPS/PDC system may not operate properly even when "VPS/PDC" has been set to "ON".
Please check with the broadcasters in your area for details.

- In the case of VPS/PDC recording, use the correct time (VPS/PDC time) for recording the TV programmes.
  Set "VPS/PDC" to "OFF" when the recording time is not the correct time (VPS/PDC time).
  VPS/PDC recording is not performed when the time (VPS/PDC time) is incorrect, even if only by one minute. To find out the correct time (VPS/PDC time), consult Teletext, a newspaper or magazine, or other source.
- If the actual broadcasting times of timer recordings overlap (regardless of whether they are VPS/PDC controlled), the recording that starts first always has priority, and the recording of the later beginning programme will start only after the first timer recording has finished.
- When the VPS/PDC signal drops out because the broadcast signal is weak, or when a TV station does not transmit a regular VPS/PDC signal, the timer recording will be performed in the normal mode (without VPS/PDC) even if it was programmed for VPS/PDC.
  In this case, even if the timer recording is performed, whatever has been programmed will not be cancelled at that particular time but at 4 a.m. on the following day.
- The start times of scheduled programmes listed in the newspaper or magazine may be changed at a later date. Set "VPS/PDC" to "OFF" when programming a programme whose start time has been subsequently changed. Particular care must be taken in this respect with ShowView programming since "VPS/PDC" is automatically set to "ON" in some countries.
- If a programme listed in a newspaper or magazine has two ShowView numbers, use the ShowView number for VPS/PDC if you wish to proceed with VPS/PDC recording using ShowView programming.
- The default settings for "VPS/PDC" differ depending on the country concerned. Refer to the table on the right.

Programming method / Selected Country	ShowView programming	Changes in ShowView programming start time	Non-ShowView programming
France, Belgium, Netherlands, Sweden, Denmark, Finland, Norway	ON	OFF	OFF
Germany, Switzerland, Austria, Other Countries	ON	ON	ON
Italy, Spain, Portugal	OFF	OFF	OFF

- If the broadcasting station is not transmitting VPS/PDC signals, "– – –" appears in the menu for timer programming under "VPS/PDC".

NICAM Broadcasting System (NV-FJ610EC/ECM/ECY Series, FJ606EC/ ECM Series, FJ604ECM Series)

NV-FJ610EC/ECM/ECY Series, FJ606EC/ECM Series, FJ604ECM Series feature the NICAM digital sound system, a 2-channel sound broadcast system that provides either 2 high-quality stereo sound tracks or 2 independent mono sound tracks, M1 and M2.
NICAM programmes are always accompanied by standard (mono) sound broadcasts, and during playback, you can select the desired sound with the AUDIO button ⓯.

- The NICAM stereo sound can only be recorded on the Hi-Fi audio tracks.
- If, for some reason, you want to record a stereo, bilingual or NICAM TV programme intentionally in mono on the Hi-Fi audio tracks, set "Mono" to "ON" for the programme position on which the desired programme is broadcast, as described on page 23.

Important Note on the NICAM System

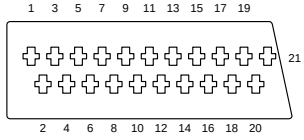
When NV-FJ610EC/ECM/ECY Series, FJ606EC/ECM Series, FJ604ECM Series are switched on, the tuner automatically switches to a NICAM broadcast if NICAM is being transmitted. During test transmissions, it is possible that the sound received does not correspond to the picture being viewed. In order to receive synchronised sound and picture, select monaural sound with the AUDIO button ⓯ or setting "Mono" to "ON". This applies only until NICAM transmissions are fully operational.
Even if the sound track is in mono, the STEREO indication will appear.

Crystal View Control (CVC)

The crystal view control function ensures that you always obtain the optimum picture quality so that you get the best picture automatically.
While the VCR is turned on, the CVC indication ㊹ is always displayed to show that the Crystal View Control is activated.

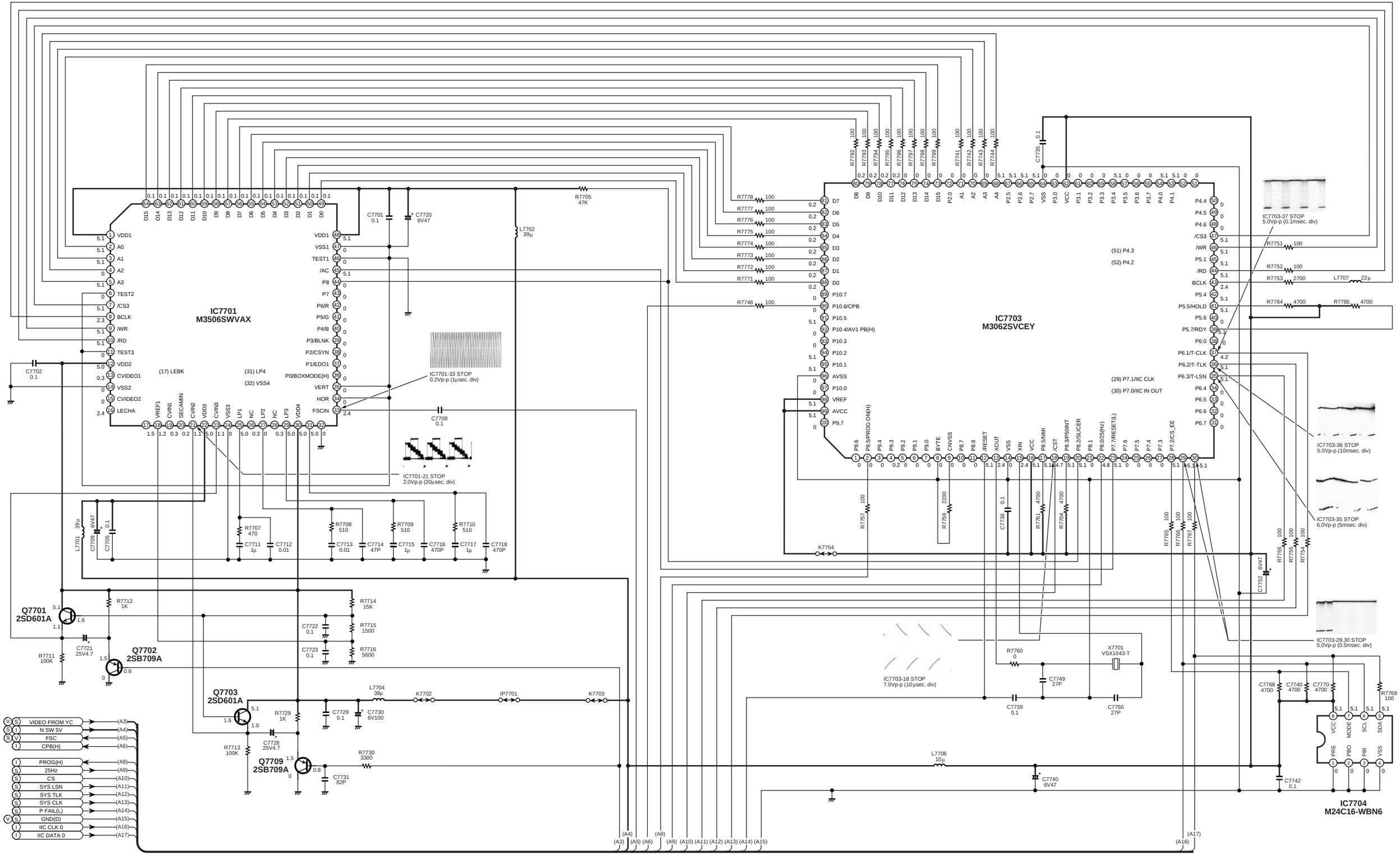
21-pin Scart Socket

The 21-pin Scart socket transmits both input and output signals for picture and sound. TVs equipped with the same type of socket can be connected here.
This type of socket is also called Peritel, Euro Connector and Euro AV.



1	Audio output CH2 (R)	12	No connection
2	Audio input CH2 (R)	13	Red ground
3	Audio output CH1 (L)	14	Blanking ground
4	Audio ground	15	Red
5	Blue ground	16	Blanking
6	Audio input CH1 (L)	17	Video output ground
7	Blue	18	Video input ground
8	Switching voltage	19	Video output
9	Green ground	20	Video input
10	Control signal	21	Ground
11	Green		

The Red, Green and Blue (RGB) video signals are looped through only from an external source unit, for example from a connected a pay-TV decoder, i.e. they are not from tape playback.



NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE : DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

CAUTION THE ▨ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

HOT

P1101 VJS3306
AC INLET
F1101 XBA2C16TH15
C1104 1000P
LB1101
L1107 ELF15N005A
L1108 ELF17N004A
C1118 0.1
C1119 0.1
R1122 330K
D1102 S1WBA80 or S1WBA60S
LB1103
C1120 400V 33
LB1102
LB1104
LB1106
C1101 1000P
C1103 1000P
C1106 0.1
D1109 ERA15-08V5
D1110 ERA15-08V5
R1105 3.9M
R1106 4.7M
K1108
D1118 RD100E-TB
R1102 39K
C1108 47P
C1109 0.01
D1103 AP01CV2
R1115 33
D1104 MA185
C1114 35V47
D1130 MA7300B
R1110 10K
D1106 MA4220

T1101-3 STOP 11Vp-p(5msec.div)
IC1101-5 STOP 1.0Vp-p(5µsec.div)
IC1101-1 STOP 500Vp-p(5µsec.div)

T1101 ETE28K127AZ
PT, P1, P2, NC, V1, V2, NC
S9, S8, S7, S3, S4, S6, S1, S2, S5

C1116 100P
D1125 11EQS06
IP1101 VSF0015A10T
C1143 10V330
C1144 0.01
C1145 0.01
C1136 220P
D1114 RK36LF-C4
L1122 22µ
C1134 10V2200
C1135 10V330
C1142 220P
D1124 ERA22-04
L1124 100µ
C1140 50V100
C1141 0.01
C1133 220P
D1121 RL2ZPLF-C4
L1121 22µ
C1131 25V680
C1132 25V330
C1139 100P
D1123 ERA22-04
L1123 100µ
C1137 50V47
C1138 0.01
K1109
SHIELD CASE

PLAY S7511 VEQ11L07B
STOP S7512 VEQ11L07B
SEARCH S7515 VEQ11L07B
REW S7513 VEQ11L07B
FF S7514 VEQ11L07B

P1103
1 AN 3
2 GND(F1)
3 AN 2
4 AN F
5 S3
6 N.SW -29V
7 ———
8 HEATER(+)
9 UNREG 5.6V
10 HEATER(-)
11 UNREG 36V
12 GND
13 GND
14 GND(MOTOR)
15 UNREG 14V
16 ———
TO SYSTEM CONTROL & SERVO/ TIMER SECTION P1001 (D-13)

Q1111 CNX82A5387
R1114 3300
D1107 1SS254
C1112 8200P
R1121 2700
R1101 560
R1125 270
R1120 2400
R1119 10K
IC1102 µPC1093J
C1102 0.1
R1116 2700

IC1101 STRM6559LF
START, O.V.P, LATCH, DRIVE, REG, TRIGER, T.S.D, O.S.C, O.C.P
LB1105 VLP0056
R1109 1500
R1111 150
R1112 220
R1113 1
R1108 100
D1105 MA700
R1107 150K
C1110 6V330
C1111 1000P

IC1101-4 STOP 1.0Vp-p(5µsec.div)
IC1101-2 STOP 14Vp-p(10µsec.div)
IC1101-7 STOP 640mVp-p(5µsec.div)
IC1101-6 STOP 4.4Vp-p(5µsec.div)

NOTE: THE MEASURMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE1: WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT,SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
PRIMARY SIDE..... ⏚
SECONDARY SIDE... ⏚

NOTE2: THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,USE ONLY THE SAME TYPE.

F E D C B A
1 2 3 4 5 6 7 8 9 10

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
VIDEO MAIN SIGNAL PATH IN REC MODE
CAPSTAN SERVO PHASE LOOP
CAPSTAN SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP

P1501
LOADING M(-)
LOADING M(+)
C2536 0.1
C2535 0.1

P2501
F IN 12
R IN 11
PS 14V 10
OUT 1 9
OUT 2 8
M GND 7
5V 6
GND (FG) 5
FG1 4
CAP R/F 3
EC 2
TL 1
TO CAPSTAN DRIVE UNIT P/201 (C-1)

P2502
M2 9
VH+ 8
M3 7
HE+ 6
GND (CYL) 5
VM 4
VM 3
HE- 2
M1 1
TO CYL MOTOR UNIT P/2901 (A-3)

N SW 5V
CS
UNREG 5.6V
PS 36V
SYS TLK
SYS LSN
SYS CLK
P FAIL (L)
PS 14V
SC
A H SW
F ADJ
REG 5V
SHORT DET (L)
VIDEO FROM YC
GND
GND (D)
C SYNC
V OUT TO I/O
CTL HEAD (–)
CTL HEAD (+)
SW 12V
IIC CLK S
IIC DATA
SW2

IC7504
RN5VD28AA
R7522 180
D7503 RB441P
C7506 VCE0073
C7507 6V220
R7517 10K
C7508 0.068
C7509 0.01

IC1502
RPI354N
IC1501
RPI354N
TL2502
TL6012
TL6013
R2501 330
R2502 3300
R2503 3300
R2504 3300
R2505 3300
R2506 3300
C2503 0.056
C2509 0.056
C2510 0.056
R2504 0
R6001 5600
R2514 10K
R2515 1K
TW6002
R6023 220
R6024 220
R6025 220
R6026 220
R6027 220
R6028 220
R6029 220
R6030 220
C6019 150P
R1503 180
R1504 27K
R1505 27K
C2501 0.47
R2507 3900
C2512 3900P
C2506 6V22
C2508 25V4.7
R6017 6800
C6009 680P
TW2002
C2507 0.1
K2503 0
K2501 0
TW2015
C2505 33P
R2510 1M
R2511 220K
D2502 MA165TA5VT
D2501 MA165TA5VT
C2504 33P

IC6001-79,80 PLAY/REC 8.0Vp-p (0.2sec. div)
IC6001-76 PLAY/REC 3.5Vp-p (5μsec. div)
IC6001-77 PLAY/REC 5.0Vp-p (5μsec. div)
IC6001-72 PLAY/REC 6.0Vp-p (5msec. div)
IC6001-71 PLAY/REC 6.0Vp-p (5msec. div)
IC6001-68 PLAY/REC 5.0Vp-p (10msec. div)
IC6001-70 PLAY/REC 5.0Vp-p (0.1msec. div)
IC6001-69 PLAY/REC 6.0Vp-p (5msec. div)
IC6001-50,52 REC 2.25Vp-p (20μsec. div)
IC6001-50,52 PLAY 2.25Vp-p (20μsec. div)
IC6001-90 PLAY/REC 5.0Vp-p (10msec. div)
IC6001-15,18,19 PLAY/REC 7.0Vp-p (10msec. div)
IC6001-48 PLAY/REC 200mVp-p (5msec. div)
IC6001-35 PLAY/REC 1.6Vp-p (1msec. div)
IC6001-36 PLAY/REC 3.0Vp-p (1msec. div)
IC6001-38 PLAY/REC 4.0Vp-p (1msec. div)
IC6001-39 PLAY/REC 6.0Vp-p (0.02μsec. div)

IC6001
M3777AVCEZ

S TAB (L)
P ON (L)
SHORT D (L)
SECAM 24μ
FG AMP OUT
FG AMP IN
GND (D)
PFG
ORET
IREF
CTL HEAD (-)
CTL HEAD (+)
CTL. AMP. REF
PB. CTL. OUT
+5V (A)
5V (AD)
EX. FF/REW (L)

CV IN
GND (OSD)
OSD FSC IN
4FC LPF
LC OSC OUT
LC OSC IN
16MSTART (H)
FIP (L)
POFF (H)
GND (OSC)
16MHz. OUT
16MHz. IN
+5V (D)
32KHz OUT
32KHz IN
RESET (L)
POS. SW1
POS. SW2
POS. SW3

IC2502
AN3811NK
R2503 33
R2508 33
C2502 35V4.7
C2511 35V4.7
R2509 1K
R2510 4.7
L2501 68μ
C2516 6V220
C2518 0.047
C2522 0.068
C2523 0.15
C2524 0.15
C2525 0.15
R2518 1.5
R2517 1.2
R2519 33
C2526 35V4.7
C2527 25V47

C6001 6V47
L6001 100μ
TL2503
CAP TL
IC2502-1, 2 PLAY/REC 10Vp-p (2msec. div)
IC2502-4 PLAY/REC 5.0Vp-p (10msec. div)
IC2502-10 PLAY/REC 7.0Vp-p (1msec. div)
IC2502-6 PLAY/REC 180mVp-p (5msec. div)
IC2502-7 PLAY/REC 200mVp-p (5msec. div)

L7801 68μ
Q7802 2SD601A (AMP)
R7802 0
R7803 0
R2302 43K
R7809 4700
C7803 1μ
C7804 220P
C7802 6V47
R7804 1K
R7805 1K
R7807 1K
R7808 47K (A,B,D,E,G,H)

C6002 0.01
R6002 1K
C6005 0.01
C6006 470P
C6007 120P
C6008 120P
L6002 2.2μ
C6003 20P
C6010 0.1
R6020 1K
X6001 VSX0830
C6004 12P
C6013 18P
R6008 220K
X6002 VSX0660-TA
C6016 18P
R1501 100

Q1009
2SD1996-ST
(REG.)
D1018 MA165TA5VT
D1017 MA4120N-M
D1019 1SS254T
(A,B,G)
C1010 16V47
C1008 16V47
C1007 0.01
R1027 12K
R6013 4700
R6012 4700

QR1003
UN2212
(INV.)
R1026 12K

TL6010
C6022 0.01
C6011 6V47
R6005 10K
R6039 39K
R6038 43K
R6036 100
R6037 27K
R6011 10K
R6033 27K
R6032 39K
R6031 27K
C6017 16V10
C6012 1000P
R6009 1K
R6035 1K
C6018 1000P
TW2001
H SW

C1501 220P
Q1502
PNB2301MAV
S PHOTO
D1501
SIR505STA47
SENSOR
R1505 120
Q1501
PNB2301MBV
T PHOTO

QR6004
UN2212
(INV.)
R6015 10K
QR6005
UN2211
(SWITCHING)
D6003 MA700
R6016 15K
D6002 MA700
R6010 15K
QR6003
UN2212
(CAL Ⓗ:ON)
R2513 270K

QR6006
UN2213
(INV.)
QR6007
UN2113
(FM MUTE)
R6018 220

AUDIO DEF (H)
LP (H)
AFC S
TRK ENVE
ART V/H/N
ROTARY SW
H A SW
ENV SEL
H SW
D REC (H)
FM REC MUTE (L)
DA REC (H)
BIAS (H)
MUTE (H)
VSYNC (L)
25HZ

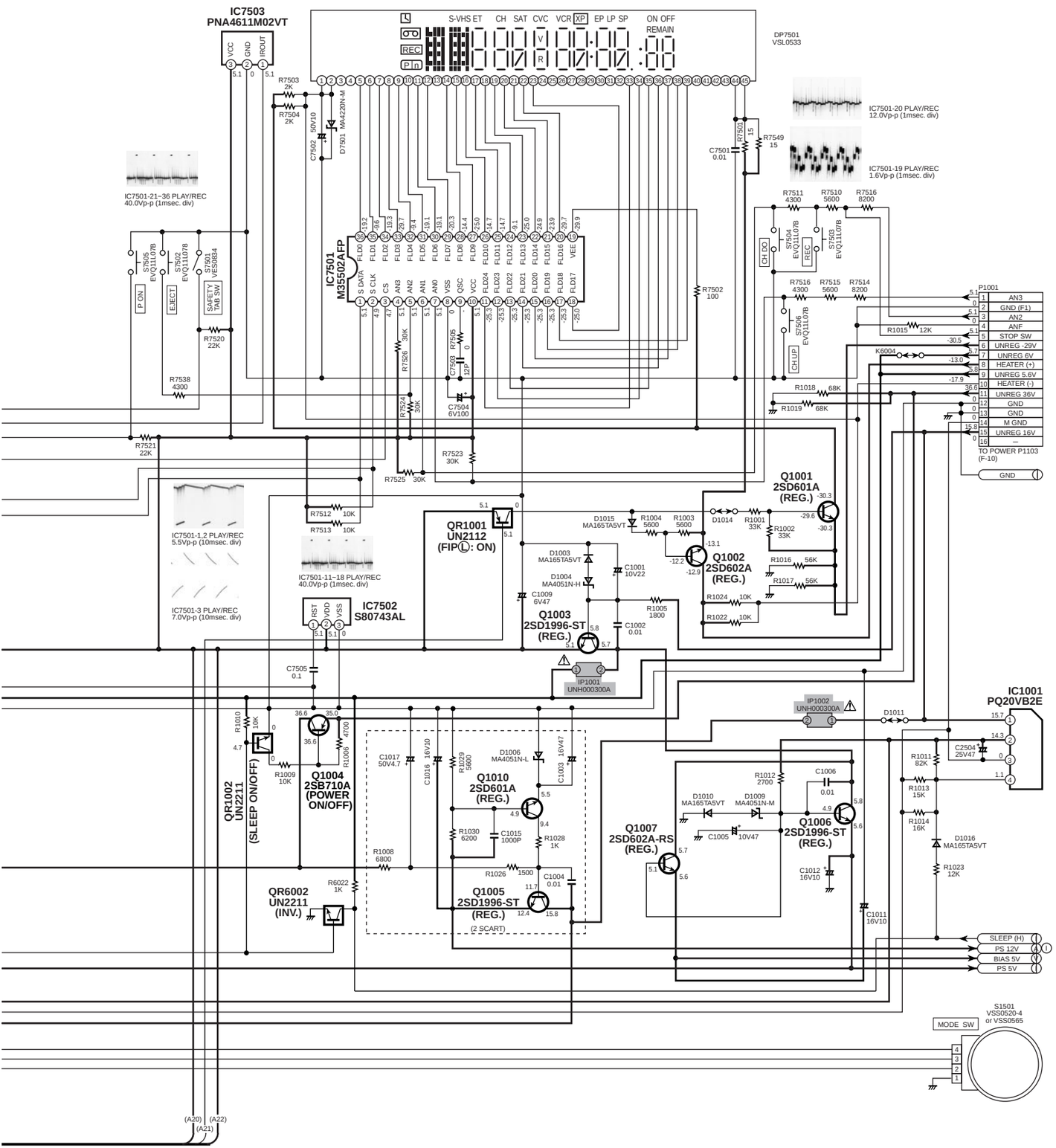
Ⓐ :TO AUDIO SECTION
Ⓥ :TO VIDEO SECTION
Ⓘ :TO INPUT/OUTPUT & TUNER SECTION
Ⓞ :TO OSD SECTION

IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE: DO NOT USE ANY PARTS NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

E D C B A

1 2 3 4 5 6 7 8 9



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

10	11	12	13

SYSTEM CONTROL & SERVO ICs DC VOLTAGE CHART (SP MODE)

REF.NO.	IC2502																	
PIN.NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	14.3	14.6	14.3	1.1	4.9	1.0	1.1	0.4	2.3	1.3	0	3.7	3.7	3.7	0	13.9		
PLAY	13.9	13.9	14.3	1.1	4.9	1.0	1.1	0.4	2.3	1.3	0	3.7	3.7	3.7	0	13.9		
REC	14.5	13.5	14.3	1.1	4.9	1.0	1.1	0.4	2.3	1.3	0	3.7	3.7	3.7	0	13.9		
F.F	14.5	13.8	14.3	1.1	4.9	1.0	1.1	0.4	2.3	1.3	0	3.7	3.7	3.7	0	13.9		
REW	14.5	14.2	14.3	1.1	4.9	1.0	1.1	0.4	2.3	1.3	0	3.7	3.7	3.7	0	14.5		
REF.NO.	IC6001																	
PIN.NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	4.4	0	2.3	0	3.5	4.9	4.8	4.6	1.1	0	0	1.7	0	5.1	0	0	0	4.7	0	0
PLAY	4.4	0	2.3	0	3.5	4.9	4.8	4.6	3.4	0	4.6	1.7	0	5.1	4.7	0	4.8	4.2	4.7	0
REC	4.4	0	2.3	0	3.5	4.9	4.8	4.6	2.1	0	4.6	1.7	0	5.1	4.7	0	4.8	4.7	0	0
F.F	4.4	0	2.3	0	3.5	4.9	4.8	4.6	2.1	0	4.9	1.7	0	5.1	0	0	0	4.7	0	0
REW	4.4	0	2.3	0	3.5	4.9	4.8	4.6	2.4	0	4.6	1.7	0	5.1	0	0	3.9	4.3	0	0
REF.NO.	IC6001																	
PIN.NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	0	4.7	0	0	0	0	0	4.7	0	0	4.7	1.3	1.6	4.8	-	-	0
PLAY	4.7	0	4.7	4.7	4.7	0	0	0	0	0	4.7	0	0	4.7	1.3	1.6	4.8	-	-	0
REC	0	0	4.7	4.7	4.7	4.7	4.7	0	0	4.7	4.7	0	0	4.7	1.3	1.6	4.8	-	-	0
F.F	0	0	0	0	4.7	0	0	0	0	0	4.7	4.7	0	4.7	1.3	1.6	4.8	-	-	0
REW	0	0	0	0	4.7	0	0	0	0	0	4.7	4.7	0	4.7	1.3	1.6	4.8	-	-	0
REF.NO.	IC6001																	
PIN.NO.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	4.8	4.7	4.7	0	1.6	2.1	0	2.0	2.4	2.0	4.8	1.9	0	0	0	0.2	0	4.7
PLAY	0	0	4.8	4.7	4.7	0	1.6	2.1	0	2.0	2.4	2.0	4.8	1.9	0	0	0	0.2	0	4.7
REC	0	0	4.8	4.7	5.0	0	0	2.1	0	2.0	2.4	2.0	4.8	1.9	0	0	0	0.2	0	4.7
F.F	0	0	4.8	4.7	4.7	0	1.6	2.1	0	2.0	2.4	2.0	4.8	1.9	0	0	0	0.2	0	4.7
REW	0	0	4.8	4.7	4.3	0	1.6	2.1	0	2.0	2.4	2.0	4.8	1.9	0	0	0	0.2	0	4.7
REF.NO.	IC6001																	
PIN.NO.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	4.7	0	0	4.7	5.1	4.9	4.7	5.0	5.1	4.2	2.8	2.4	0	0	0	0	2.3	5.1	0.1	4.9
PLAY	4.7	0	0	4.7	5.1	4.9	4.7	5.0	5.1	4.2	2.8	2.8	0	0	0.3	2.3	2.3	5.1	0.1	4.9
REC	4.7	0	0	3.5	5.1	4.9	4.7	5.0	5.1	4.2	2.8	2.4	0	0	0.3	2.3	2.3	5.1	4.9	4.9
F.F	4.7	0	0	4.7	5.1	5.1	5.1	5.1	5.1	4.2	3.3	3.2	0	0	4.3	2.7	2.3	5.1	4.9	2.4
REW	4.7	0	0	4.0	4.9	4.7	4.8	5.1	5.1	4.2	3.5	3.4	0	4.7	4.3	4.7	2.3	5.1	2.3	2.4
REF.NO.	IC6001																			
PIN.NO.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	5.1	5.1	0.3	0	0	2.4	2.4	0	0	1.3	2.4	2.4	0	2.4	2.4	2.4	2.4	4.9	4.9	0
PLAY	5.1	5.1	0.3	0	0	2.4	2.4	0	0	1.3	2.4	2.4	0	2.4	2.4	2.4	2.4	4.9	4.9	0
REC	0	5.1	4.4	0	0	2.4	2.4	0	0	1.3	2.4	2.4	0	2.4	3.5	2.4	2.4	4.9	4.9	0
F.F	0	5.1	0.3	0	0	2.4	2.4	0	0	1.3	2.4	2.4	0	2.4	2.4	2.4	2.4	4.9	4.9	1.4
REW	0	5.1	0.3	0	0	2.4	2.4	0	0	1.3	2.4	2.4	0	2.4	2.4	2.4	2.4	4.9	4.9	1.4
REF.NO.	IC1501					IC1502														
PIN.NO.	1	2	3	4		1	2	3	4											
STOP	1.1	2.2	4.9	0		0	1.1	4.9	0											
PLAY	1.1	2.2	4.9	0		0	1.1	4.9	0											
REC	1.1	2.2	4.9	0		0	1.1	4.9	0											
F.F	1.1	2.2	2.3	0		0	1.1	2.3	0											
REW	1.1	2.2	2.3	0		0	1.1	2.3	0											

SYSTEM CONTROL & SERVO TRs DC VOLTAGE CHART (SP MODE)

REF.NO.	Q1501			Q1502			Q7802											
PIN.NO.	+	-		+	-		E	C	B									
STOP	4.6	0		4.8	0		1.4	4.8	1.9									
PLAY	4.6	0		4.8	0		1.4	4.8	1.9									
REC	4.6	0		4.8	0		1.4	4.8	1.9									
F.F	4.6	0		4.8	0		1.4	4.8	1.9									
REW	4.6	0		4.8	0		1.4	4.8	1.9									
REF.NO.	QR6002			QR6003			QR6004			QR6005			QR6006			QR6007		
PIN.NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	4.7	0	0	0	0	2.6	0	0	0	2.6	0	5.1	0	5.1	0	5.1
PLAY	0	0	4.7	0	2.0	0	0	2.6	0	0	0	2.6	0	5.1	0	5.1	0	5.1
REC	0	0	4.7	0	0	0	0	2.6	0	0	0	2.6	0	5.1	0	5.1	0	5.1
F.F	0	0	4.7	0	0	0	0	2.6	0	0	0	2.6	0	5.1	0	5.1	0	5.1
REW	0	0	4.7	0	0	0	0	2.6	0	0	0	2.6	0	5.1	0	5.1	0	5.1